Maritime Heritage Minnesota

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CLEAN WATER LAND & LEGACY AMENDMENT

Log Books 11-12 of the USS Essex

May 17, 1882 - December 2, 1882

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship

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USS *Essex* Log Books 11-12

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Books 11-12 of the USS *Essex*: May 17, 1882 - December 2, 1882

The National Archives houses two identical versions of USS *Essex* Log Books 11 and 12. Essex Log Book 10, housed at the Naval Academy in Annapolis, is an abbreviated volume in a different format than Log Books 11-12, but pertains to the same time period. Throughout Log Books 11-12, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, scraping and slushing spars, steam cutter maintenance/repair
- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, general quarters drills, small arms drills, torpedo drills, surprise enemy attack drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection

- liberty parties sent ashore
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions. AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- Sunday services after the reading of the Articles for Better Government of the Navy

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Books 11-12, on May 17, 1882, the USS *Essex* was anchored in the Bay of Montevideo, Uruguay. She was under Commander Alexander H. McCormick and belonged to the US Pacific Squadron. While at anchor, *Essex* and Flagship sloop-of-war USS *Brooklyn* exchanged maritime signals and the ship received mail from the flagship. *Essex* received visits from the US Consul for Uruguay Charge d' Affaires General John C. Caldwell and his Vice-Consul; *Essex* officers also visited the Consul in Montevideo. The next day, *Essex* received visits from officers of the Spanish, French, Argentine Confederation, and Italian men-of-war anchored in the harbor. Following the passing of Essex across the Atlantic Ocean, the ship's crew was engaged in painting the ship and blacking the rigging. On May 20, the Commanding Officer of the French gunboat *Faligui* visited *Essex* and the next day, visits were exchanged between the crews of *Brooklyn* and *Essex*. The sloop-of-war USS *Marion* anchored at Montevideo and an *Essex* crewman broke leg while on shore cleaning the sailing launch - he was sent to the hospital in Montevideo on May 22. The next day the French gunboat *Bourdonnais* left the port to go to sea. Following a muster at quarters, *Essex* officers determined that nine crewmen were AWOL. On May 24 the Commanding Officer of USS *Marion* visited *Essex* and the next day, the crew dressed *Essex* in honor of Argentine Independence Day. A British barkentine and a Spanish gunboat left port. The Spanish vessel returned the next day while a German brig, and Argentine gunboat set anchor in the bay. On May 26, the English mail steamer *Memnon* arrived in Montevideo. Commanding Officer McCormick sent six *Essex* crewmen to the *Memnon* for passage back to the US; they were 'condemned' by a Medical Survey for being in poor health. Outside the bay, a French gunboat engaged in target practice and then returned to anchor. *Essex* sent an officer to extend customary civilities to a Spanish gunboat that anchored in the port. The ship's crew practiced conducting torpedo drills and were inspected at quarters; 15 men were AWOL. On May 31, corvette HMS (Her Majesty's Ship) *Garnet* anchored in the Bay of Montevideo and *Essex* sent an officer to the ship to extend courtesies.

On June 1, 1882, Commanding Officer McCormick visited HMS *Garnet*, *Essex* hosted a visit by Charge d' Affaires Caldwell, and an English gunboat came in and anchored. The next day, HBM (Her Britannic Majesty's) gunboat *Rifleman* came to anchor and *Essex* send officers for a courtesy visit to *Rifleman* and gunboat HMS *Firefly*; both British vessels reciprocated. *Essex* also hosted visits from the Commanding Officer of Garnet and an officer from the Italian gunboat *Scillou*, and exchanged maritime signals with USS *Marion*. On June 4, the Captain of the Port boarded *Essex* to request colors be flown at half-mast in commemoration of Giuseppe Garibaldi; *Essex* complied on June 5. Also on that day, officers from HMS *Firefly* and an Italian man-of-war visited Essex, and a Uruguayan official thanked *Essex* for participating in the Garibaldi celebration. On the evening of June 6, a strong gale blew into the Bay of Montevideo and the crew was ordered to batten down the ship. The storm continued through the next day, and the *Essex's* catamaran was blown loose from the ship. The log noted HMS *Garnet* had dragged her anchor for a distance and several ships in port signaled their condition; one vessel indicated she needed immediate assistance due to a leak. An English mail steamer ent to sea and a German steamer shifted her berth. On June 8 the storm had blown out, HMS *Garnett* shifted berth, and an American barque left Montevideo. On June 9, Commanding McCormick offered a bounty for return AWOL crewmen.

On June 10, the *Essex* crew continued storm clean-up, including retrieving the ship's catamaran by using the steam launch. The ship then set course for Valparaiso, Chile and left the Bay of Montevideo. They passed Flores Island Light and steamed into the River Plate where *Essex* was stopped for 15 minutes to cool the engine bearings. Once again steaming, the log noted Gerro and Maldonado Lights. *Essex* sighted a German barque; the ships exchanged colors and she passed her longitude and Greenwich time to the barque. Next Essex sighted barque-rigged steamer in the distance. On June 18, the crew observed what would become known as Comet Wells in the west near the horizon. By June 21, *Essex* sighted Cape Virgins, Argentina, and anchored in Possession Bay (Bahia Possession), with bearings taken off Hell and Cape Possession Beacons. The next day, *Essex* proceeded up the Straits of Magellan and anchored off Elizabeth Island in Chile. The crew practiced with the great guns and cleaned the ship's bilge, and a bark-rigged steamer passed by *Essex* heading east. On June 26, the ship headed to Sandy Point and anchored there, taking on coal from a lighter. Commander McCormick left ship to visit authorities ashore, and on June 28, the Governor of the Territory paid an official visit to *Essex*. A German steamer anchored nearby, and *Essex* left for St. Nicholas Bay. Once anchored there, bearings were taken off Sanchez Island and Glascott Point.

On July 1-2, 1882, *Essex* left St. Nicholas Bay and steamed toward Borja Bay, anchoring there, and she took bearings off Isabel and Bosario Points. She left Borja Bay and anchored at Cape Tamar. On July 4, the crew dropped a second anchor due to strong winds and dressed *Essex* in honor of Independence Day. On July 7-8, *Essex* left Cape Tamar, anchored in Tuesday Bay at Desolation Island, left Tuesday Bay and passed Cape Pillar.* On July 10, *Essex* encountered a strong gale, and the crew spent the following days performing ship's maintenance and drills. On July 16 and later, *Essex* spotted two barks and continued on to Valparaiso, Chile by July 22. It must be noted

that *Essex* was moving into the area where the War of the Pacific began in 1879. The ship received courtesy visits from the Chilean Flagship armored frigate *Almirante Cochrane*, the English sloop-of-war *Mutine,* and the French gunboat *Limier*. *Essex* sent sent officers on return courtesy visits to the foreign men-of-war in the harbor, and received the Captain of the Port on board. Commander McCormick left *Essex* and made official visits to other ships; the courtesy was reciprocated by the French and English Commanding Officers, and the Captain of *Admiral Cochrane.* An English mail steamer anchored in the harbor, and *Essex* shifted her anchorage. July 26 was payday for the *Essex* crew and French Flagship ironclad *Montcalm* anchored in the bay. Three days later, the ship departed Valparaiso and passed by Valparaiso Light, conducting gunnery practice along the way. On July 30, *Essex's* ensign was flown at half-mast out of respect for Rear Admiral John Rodgers, who had died in early May. Heading north, *Essex* sighted an American barque.

At the beginning of August, 1882, *Essex* was traveling northward along the Chilean coast, with the crew conducting drills and ship maintenance. On August 4, the ship anchored in Coquimbo Harbor and was visited by Harbor Health Officer. Also, the Commanding Officer of the English flagship in port visited *Essex* and Commander McCormick sent an officer to visit the American Consul and make other official visits. Reciprocal visits were received and bearings were taken off Pelican Point. For the next two days, *Essex* exchanged salutes with a British steamer that left the harbor while another English steamer took anchor. On August 6, *Essex's* steam cutter burst its coil; it was fixed by August 8. The Governor of the Province visited the ship, a Chilean steamer anchored in the bay, but left later that night. The Engineering Department sent a length of steam pipe ashore for repairs; it was sent back to the ship on August 10. A British steamer anchored and another left the harbor. *Essex* paid bounties to the Coquimbo police for the return of several deserters. On August 13 the Pacific Mail Steamship Company (out of New York) steamer *Pizarro* entered the port, saluted *Essex*, and anchored; *Essex* returned the salute. Then, a Chilean mail steamer dipped her colors as she passed *Essex*, heading out to sea*; Essex* returned *the s*alute. The crew spent time painting the outer hull and ship's masts, while another British mail steamer came to anchor and another British steamer left the port.

On August 18, Commander McCormick visited to HMS *Mutine* after she secured her anchorage in the harbor. Two days later, British Flagship battleship HMS *Swiftsure* anchored and sent an officer to *Essex* as a courtesy call. Two Chilean vessels left harbor and an English mail steamer anchored. Royal Navy Rear Admiral Sir Algernon McLennan Lyons came aboard and visited with Commander McCormick. Admiral Lyons was the Commander in Chief of the British Pacific Station; he later became Admiral of the Fleet station in Portsmouth, England. Commander McCormick reciprocated, visiting Admiral Lyons on HMS *Swiftsure*. On August 21, *Swiftsure's* band played the American National Anthem at evening colors, and *Swiftsure's* Commanding Officer visited *Essex*. Once again, the Governor of the Province and Captain of the Port paid an official visit to *Essex* and another English steamer left the harbor. *Essex* again offered bounties to local police for the return of AWOL sailors - and the ship's cook was returned to the vessel by Coquimbo authorities. On August 28, the Chilean steamer *Pashapoal*

anchored and salutes were exchanged. A boat was sent by the Chilean ship with the an American Minister on board, who had been in Chile; he visited Essex and returned to *Pashapoal*. The Commanding Officer of HMS *Mutine* visited *Essex*, a British steamer anchored while another left the harbor, and a Chilean steamer anchored. *Essex* crewmen found the body of an English Marine while they were practicing boat drills. The men towed the body to the *Essex* and were ordered to tow the body to Flagship HMS *Swiftsure*. On August 31, the ship's colors were lowered to half-mast for the funeral services of the drowned HMS *Swiftsure* seaman. A Chilean mail steamer left port, and dipped her colors as she passed *Essex*; the salute was returned.

On September 1, 1882, a small Chilean steamer anchored in the harbor of Coquimbo and an English mail steamer went to sea. Again, *Essex* offered bounty to local authorities for the return of missing crewmen, while the crew conducted exercises, practicing at repelling boarders. On September 8, an English mail steamer came into port and left during the evening watch, a Chilean steamer and another British mail steamer entered the harbor, and another British steamer left the harbor. On September 8, *Essex* exchanged salutes with a departing Chilean steamer, and the English mail steamer *Britannia*, and HMS *Mutine* left the port as well. On September 12, *Essex* built up steam and left Coquimbo Harbor, passing Pajaras Rock along the way. The next day, she anchored once again in Valparaiso Harbor and took bearings off Baja Rock and Fort Desfarey. Officers from the Chilean flagship, an Italian man-of-war, and HMS *Mutine* visited *Essex*; the visits were reciprocated by *Essex* officers, and Commander McCormick also sent an officer to visit with the American Consul in Valparaiso. A mail steamer and an English steamer went to sea, exchanging colors with *Essex* as she passed. *Essex* received an invitation from a Chilean officer to participate in Chilean Independence Day celebrations. An Italian man-of-war saluted a Chilean Commodore on board the armored frigate Flagship *Almirante Cochrane*, the salute was returned.

Bounties were offered and paid to local police for the returned of missing crewmembers. On September 16, *Essex* paid an additional fee for the destruction of a policeman's cap by a drunk AWOL crewman, returned to the ship by the Valparaiso authorities. On September 17, *Essex* was dressed with the Chilean flag at the mainmast and Flagship *Almirante Cochrane* fired a gun salute. *Essex* also received an official visit from the Captain of Port. The next day, the ship was still dressed with the Chilean ensign, and she fired salutes in celebration of Chilean Independence Day; Italian warship *Caracciola* and HMS *Mutine* also dressed for the occasion. Commander McCormick and several of *Essex's* officers left the ship and attended Chilean Independence Day festivities ashore. In the next few days, a French ship entered the harbor and exchanged salutes with *Essex*, while HMS *Mutine* left Valparaiso. *Essex* was visited by the Intendante of Valparaiso, and two another English steamers anchored in the port; one exchanged colors with *Essex*. *Essex* took on provisions, but they were sent back ashore due to poor quality. A Chilean steamer arrived in port and dipped colors with *Essex*. On September 26, *Essex* left Valparaiso Harbor. On September 30, the crew of the USS *Essex* sighted a comet bearing east of the ship; this comet is now known as the Great Comet of 1882.

In early October 1882, *Essex* crewmen sighted a brigantine while heading north toward Iquique, heading into the harbor on October 4. *Essex* exchanged signals with sloop-of-war USS *Lackawanna* and anchored. She received visits from officers of Flagship HMS *Swiftsur*e, HMS *Mutine*, the Captain of the Port, and an official from the US Consul. *Essex* sent an officer to visit HMS *Swiftsure*, while *a* Chilean steamer anchored in the harbor. On October 5, an American barque captain came aboard *Essex* to check the accuracy of his chronometers, and the USS *Lackawanna* up anchored and left Iquique. A French corvette anchored in the port and an *Essex* officer visited her, while Commander McCormick went ashore. Further, three British ships left port: Flagship *Swiftsur*e, corvette *Mutine*, and a barque. On October 7, *Essex* steamed out of Iquique Harbor, heading northward for Arica, Peru**. Along the way, the ship was passed by a steamer heading north, a Chilean warship passed heading south, and Essex sighted a bark. *Essex* anchored in Arica Harbor on October 9. Commander McCormick ordered that a kedge anchor be put out on the starboard quarter as a spring to keep the ship's head to sea; a maneuver called kedging. The US Consul visited *Essex* and a barque entered the port and anchor astern of the ship. Over the next few days, a steamer anchored of *Essex's* starboard beam, a Chilean mail steamer anchored, and a Chilean transport discharged troops ashore. The Chilean transport's proximity to *Essex* forced the ship to adjust her anchor cable and officers from the transport visited her. *Essex's* Medical Officer went ashore Arica to obtain a bill of health and on October 12, the ship left Arica.

At sea, the USS *Essex* crew conducted drills at rigging torpedoes. On October 16, the crew once again sighted the Great Comet of 1882 in the eastern night sky. Two days later, an English steamer passed by and dipped her colors; *Essex* reciprocated. *Essex* pulled into Callao Bay, Peru and anchored. She exchanged signals with sloop Flagship USS *Pensacola*, sloop-of-war USS *Iroquois*, and clipper Station Ship USS *Onward*. *Essex* received visits from officers of the Italian corvette *Archimides****, Flagship HMS *Swiftsure,* the French gunboat *Limier*, and Chilean ironclad *Huascar*******. On October 19, Commander McCormick left *Essex* to make official visits, the Commanding Officer of *Iroquois* visited *Essex*, and a Chilean steamer and French man-of-war anchored in the harbor. Flagship USS *Pensacola's* band played "Marsillaise" as both ships exchanged salutes.The next day, the Board of Survey convened to examine torpedo booms, boat cradles, and the engine's crank pin. *Essex* received visits from the Commanding Officers of the French cruiser *Eclaireur,* Flagship HMS *Swiftsure,* HMS *Mutine*, and *Huascar*. *Essex* also received visits from officers of *Archimides*, USS *Pensacola,* and other Italian, English, and Chilean men-of-war in harbor.

On October 21, the US Consul based at Callao Bay visited *Essex* and the next day, English, French, and Chilean steamers come in and anchored. *Essex* welcomed visiting parties from USS *Iroquois* and USS *Pensacola*. Two days later, the English squadron left Callao Bay and *Essex* offered a reward for the return of two AWOL crewmen. Commander of of the Pacific Squadron Rear Admiral George B. Balch and his staff visited *Essex* on October 24. The same day, *Huascar* left harbor. On October 25, an *Essex* prisoner was sent to USS *Iroquois* for a general court martial, with several *Essex* officers attending. The next day, two AWOL crewmen were returned to the ship and on

October 27, Essex received onboard the officers and prisoner from the general court martial. Over the next few days, Chilean armored frigate *Blanco Encalada******, sister ship to *Alimante Cochrane*, anchored in the bay, Essex ordered her boats called away for exercises at fleet tactics under sail by the crew, and HMS *Swiftsure* & HMS *Mutine* come to anchor in the bay. USS *Pensacola's* band played British national anthems and the Commanding Officer of *Blanco Encalada* visited on board *Essex*.

In the first half of November 1882, *Essex* received provisions from USS *Onward* and Commander McCormick disciplined a crewman for spreading 'scandalous reports' on a fellow crewman. The ship received an official visit from Royal Navy Rear Admiral Sir Algernon McLennan Lyons, Commander in Chief of the British Pacific Station. A Chilean gunboat and the French Flagship *Montcalm* anchored, with *Essex* Marines firing a salute. The Italian corvette *Carraciola*, the Chilean armored frigate *Blanco Encalada*, and the English Flagship *Swiftsure* also fired salutes to the French flagship, which were returned by *Montcalm*. Commander McCormick visited *Montcalm* with the Commanding Officer of the French flagship reciprocating, and Chilean corvette anchored in Callao Bay. On November 12, Essex received a party from USS *Iroquois*, and sent visiting parties to *Iroquois* and flagship USS *Pensacola*, and received stores from USS *Oswald*. The next day Chilean Flagship *Blanco Encalada* and HMS *Swiftsure* exchanged salutes. The French Admiral B.B. de Corbiguy lowered his flag from *Montcalm* in preparation for leaving the ship; all the flagships in the harbor fire salutes out of respect for the departing admiral. On November 14, the new French admiral hoisted his flag on *Montcalm*; all the flagships in Callao Bay fired salutes to welcome him.

On November 15, Commander of of the Pacific Squadron Rear Admiral George B. Balch left his Flagship USS *Pensacola* - joined by Commander McCormick - and welcomed the new admiral on board the French flagship. Essex then received an official visit from the French admiral in return. *Essex* also sent visiting parties to *Pensacola* and *Iroquois*. Chilean Flagship *Blanco Encalada* left Callao Bay, firing projectiles from her guns as she headed out to sea. On November 20 a series of gun salutes were traded between the flagships - *Carraciola*, HMS *Swiftsure*, *Montcalm*, and USS *Pensacola* - in the harbor. Two days later, *Essex* received a visit from US Rear Admiral Balch and British Rear Admiral Lyons. Also, *French* ram *Eclaireur* left harbor while English and Chilean gunboats anchored. On November 27, 1882, four USS *Essex* officers participated in the funeral ceremonies and transfer of bodies of Spanish sailors killed in action during the Battle of Callao in 1866.****** The Engineering Crew hoisted the boiler out of the ship's steam cutter for repairs, and the USS *Iroquois* left the harbor. Two days later, *Blanco Encalada* returned to anchor in Callao Bay accompanied by a Chilean steamer carrying troops. All flagships in the harbor - *Montcalm*, HMS *Swiftsure*, USS *Pensacola, Blanco Encalada*, and *Carraciola* - fired salutes with German flag flying at the fore, for an unknown reason. On November 30, Commander McCormick sent a ship's boat and an officer to attend the funeral of a USS *Pensacola* seaman.

On December 1, 1882, *Essex* sent a battalion ashore for arms drills and target practice, while HMS *Swiftsure* and HMS *Mutine* left Callao Bay; *Mutine* returned a short time later. The next day, *Essex* lowered her colors to half-mast in memory of Rear Admiral

Charles H. Poor, USN, when word of his early November death reached Commander McCormick. USS *Iroquois* came to anchor and *Carraciola* left the bay.

*The names of some points and islands in the Straits of Magellan have changed since 1882 or are only recognized by their traditional names.
**Arica officially became part of Chile in 1883.
***Italian corvette *Archimides* should be spelled *Archimedes*; the log book consistently used the first spelling.
**** Chilean ironclad *Huascar* is still afloat as a museum ship, anchored at Talcahuano, Chile.
*****_Blano Encalada_ was the first ship sunk by a self-propelled torpedo, in 1891.
******The log states the Battle of Callao took place in 1867, not 1866; this is incorrect.

Tags:
American Ships: sloop-of-war USS *Brooklyn*, sloop-of-war USS *Essex*, sloop-of-war USS *Iroquois*, sloop-of-war USS *Lackawanna*, sloop-of-war USS *Marion*, clipper Station Ship USS *Onward*, sloop Flagship USS *Pensacola*

British Ships: mail steamer *Britannia*, gunboat HMS *Firefly*, corvette HMS *Garnet*, mail steamer *Memnon*, sloop-of-war HMS *Mutine,* gunboat HMS *Rifleman*, battleship Flagship HMS *Swiftsure*

Chilean Ships: armored frigate Flagship *Almirante Cochrane*, armored frigate Flagship *Blanco Encalada*, ironclad *Huascar*, steamer *Pashapoal*

French Ships: gunboat *Bourdonnais*, cruiser *Eclaireur*, gunboat *Faligui*, gunboat *Limier*, ironclad Flagship *Montcalm*

Italian Ships: corvette *Archimides/Archimedes*, corvette Flagship *Carraciola*

USS *Essex*

LOG BOOK

OF THE

U.S.S hip "Essex"

3d RATE

OF 6 GUNS,

COMMANDED BY

Alex H. McCormick Commander, U. S. Navy,

Attached to Pacific, ~~to~~ Squadron,

Commencing May 17th, 1882,

at Montevideo. Uruguay.,

and ending December 2d, 1882,

at Callao Bay. Peru.

BUREAU OF NAVIGATION,

NAVY DEPARTMENT,

1874.

LIST OF OFFICERS

Attached to and on board of the U. S. S. "Essex" 3d Rate, commanded by Commander A. H. McCormick, U. S. N., at the time of leaving the anchorage at League Island Pa the 29 day of November, 1881.

NAME.	RANK.	NAME.	RANK.
A. H. McCormick	Commander		
M. R. S. Mackenzie	Lieutenant		
Wm. H. Parker	"		
Wainwright Kellogg	"		
Karl Rohrer	"		
Corwin P. Rice	"		
Wm. M. Irwin	Master		
Robt. D. Cashell	Cadet-Midn		
Henry C. Haines	"		
Geo P. Blows	"		
Geo Barnett	"		
Wm. LeRoy Emmett	"		
M. L. Keith	Surgeon		
Louis A Yorke	P.A. Paymaster		
D. P. McCartney	Chf Engineer		
J. J. Hoffman	P.A. Engr		
W. Bevington	A. Engineer		
D. C. Redgrave	Cadet Engr		
W. H. Bartley	"		
C. C. Berryman	1st Lieut U.S.M.C.		
Jacob Hardes	Pay Clerk		

Examined and found to be correct.

Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S, "Essex" 3d Rate commanded by Comdr A. McCormick U. S. N., during a cruise on the Pacific Station, from November 12, 1882, to ~~end of cruise~~ December 2d, 1882.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
Jacob Harder	Pay clerk	Resigned Oct 26. 1882
H. C. Dunn	Ensign	Reported for duty Oct 19. 1882

Examined and found to be correct.

Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S Essex. 3d Rate, at first commissioning November 12th, 1882.

RATES.	NUMBER.	RATES.	NUMBER.
Chief Boatswain's Mate	1	Landsmen. E & F.	12
Boatswain's Mates	3		
Chief Gunner's Mates	1		
" Quartermaster	1		
Quartermasters	3		
Coxswains	3		
Captains of Forecastle	2		
" " Tops	4		
" " Afterguard	2		
Quarter Gunners	3		
Carpenter's Mate	1		
Sailmaker's Mates	1		
Armorer	1		
Captains of Hold	1		
Ship's Cooks	1		
" Corporal	1		
Cooper	1		
Carpenters and Caulkers	2		
Baymen	1		
Master at Arms	1		
Apothecary	1		
Ship's Yeoman	1		
Paymaster's Yeoman	1		
Engineers Yeoman	1		
Schoolmaster	1		
Ship's Writer	1		
Painter 2d Class	1		
Bugler	1		
Jack of the Dust	1		
Blacksmith. Ship's	1		
Cabin Steward	1		
" Cooks	1		
Wardroom Steward	1		
" Cooks	1		
Steerage Steward	1		
" Cooks	1		
Seamen.	11		
Ordinary Seamen	10		
Landsmen	11		
Firemen	2		
Boilermaker	1		
Blacksmith. Engrs.	1		
Seamen E & F	7		
Ord Sea "	6		

Examined and found to be correct.

Navigator.

ARMAMENT

of the U.S.S. Vincennes

1 Starting Launch
1 Steamer
1 Cutter
2 Whale boats
1 Gig

PLANS AND SECTIONS OF

Commanded by _____

THE U. S. S _____

furnished at the Navy Yard _____ 18____

log Brook

ARMAMENT

Of the U. S. S Essex 3 Rab-

NO. OF GUNS.	CALIBER.	DESCRIPTION.	WEIGHT.
1	8" M. L. R.		
1	60 pdr B. L. R.		
4	1X^{in} S. B. (Dahlgren)		
1	3" B. L. R.		
1	Light 12 pdr M. L. H.		
1	Sailing Skiff Cal. 45-		

BOATS.

1 Sailing Launch
1 Steam "
1 Cutter
2 Whale boats
1 Gig

SMALL ARMS.

Examined and found to be correct:

Navigator.

OBSERVATIONS for determining the LOCAL DEVIATION of the Standard Compass

Compass on board the U. S. S Essex (3d Rate)

DATE: June 18, 1882. PLACE: At Sea Lat 46° 46' S Long 62° 48' W

Magnetic Variation, 17° *degrees* East *minutes, at same time and place.*

LANDMARK OBSERVED. Name of Landmark.	True ~~Magnetic~~ Bearing by ~~Observation~~ Astronomical Observation.	BEARINGS TAKEN BY Standard Compass. Ship's Head.	Landmark Observed. Sun	LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR −).
	Sun's				
	S 133.5 W	NORTH.	S 117.5 W	1° 00' W	
	" 133.3 "	N. by E. N. N. E.	" 116.0 "	18' E	
	" 132.4 "	N. E. by N. N. E.	" 114.0 "	1° 24' E	
	" 131.9 "	N. E. by E. E. N. E.	" 113.0 "	1° 54' E	
	" 131.7 "	E. by N. EAST.	" 113.0 "	1° 42' E	
		E. by S. E. S. E.			
	" 130.9 "	S. E. by E. S. E.	" 112.0 "	2° 00 E	
	" 130.6 "	S. E. by S. S. S. E.	" 113.0 "	36' E	
	" 130.3 "	S. by E. SOUTH.	" 114.0 "	42' W	
	" 136.5 "	S. by W. S. S. W.	" 121.0 "	1° 30' W	
	" 136.1 "	S. W. by S. S. W.	" 121.0 "	1° 54' W	
	" 135.7 "	S. W. by W. W. S. W.	" 121.5 "	2° 48 W	
	" 135.2 "	W. by S. WEST.	" 122.0 "	3 48 W	
	" 134.9 "	W. by N. W. N. W.	" 122.0 "	4° 00 W	
	" 134.3 "	N. W. by W. N. W.	" 121.0 "	3 42 W	
	" 133.9 "	N. W. by N. N. N. W.	" 120 "	3° 00 W	
		N. by W.			
		NORTH.			
		N. N. E.			
		N. E.			
		E. N. E.			
		EAST.			
		E. S. E.			
		S. E.			
		S. S. E.			
		SOUTH.			
		S. S. W.			
		S. W.			
		W. S. W.			
		WEST.			
		W. N. W.			
		N. W.			
		N. N. W.			

Examined and found to be correct.

W. T. Parker

Lieutenant U. S. N. *Navigator.*

OBSERVATIONS for determining the LOCAL DEVIATION of the

Compass on board the U. S. S

DATE: , 18 . PLACE:

Magnetic Variation, degrees minutes, at same time and place.

LANDMARK OBSERVED.		BEARINGS TAKEN BY Compass.		LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR −)
Name of Landmark.	True Magnetic Bearing by Chart or Astronomical Observation.	Ship's Head.	Landmark Observed.		
		NORTH.			
		N. by E.			
		N. N. E.			
		N. E. by N.			
		N. E.			
		N. E. by E.			
		E. N. E.			
		E. by N.			
		EAST.			
		E. by S.			
		E. S. E.			
		S. E. by E.			
		S. E.			
		S. E. by S.			
		S. S. E.			
		S. by E.			
		SOUTH.			
		S. by W.			
		S. S. W.			
		S. W. by S.			
		S. W.			
		S. W. by W.			
		W. S. W.			
		W. by S.			
		WEST.			
		W. by N.			
		W. N. W.			
		N. W. by W.			
		N. W.			
		N. W. by N.			
		N. N. W.			
		N. by W.			
		NORTH.			
		N. N. E.			
		N. E.			
		E. N. E.			
		EAST.			
		E. S. E.			
		S. E.			
		S. S. E.			
		SOUTH.			
		S. S. W.			
		S. W.			
		W. S. W.			
		WEST.			
		W. N. W.			
		N. W.			
		N. N. W.			

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship "Essex", 3d Rate, 6 Guns,

Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		N	N	3		29 90	1.11	55	51		fc	Ci Cum	8	8	
2			N N W	N W	3		29 90	59	54	49		"	"	7	"	
3			"	"	3		29 92	1.11	54	49		"	"	2	"	
4			"	"	3		29 94	1.11	54	49		"	"	5	"	
5			"	"	3		29 88	55	55	51		"	"	4	"	
6			"	"	1		29 88	55	54	51		"	"	6	"	
7			S E	N N W	1		29 88	55	54	52		"	"	6	"	
8			"	"	1		29 90	55	54	53		"	"	1	"	
9			"	"	1		29 91	55	56	53		"	"	2	"	
10			"	S W	1		29 93	55	56	54		"	"	2	"	
11			S W	"	2		29 95	57	56	54		"	"	1	"	
Noon.			S S W	"	1		29 98	56	58	55		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1715 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.														
1	Anchored	S x W	S W	1	30 00	1.11	58	55		oc	Nimb	3	8	
2		W S W	"	1	30 00	1.11	58	55		"	"	0	"	
3		N N W	"	1	30 01	1.11	58	55		"	"	0	"	
4		"	"	1	30 02	59	58	55		bc	"	1	"	
5		"	"	1	30 03	1.11	57	55		"	Ci	3	"	
6		W	"	1	30 04	1.12	57	54		"	Ci Str	5	"	
7		"	"	1	30 03	1.11	57	54		"	"	5	"	
8		S E	"	1	30 09	1.12	57	54		bcz	"	5	"	
9		"	"	1	30 11	1.13	54	54		"	"	5	"	
10		"	"	1	30 12	1.12	57	55		"	"	5	"	
11		"	"	1	30 13	1.14	55	49		"	"	6	"	
Mid.		E S E	"	1	30 13	1.10	55	49		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Alexdi H. McComick , U. S. Navy,

Wednesday May 17th , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 AM. Cloudy pleasant, Light breze from N.E. & N., Aumid 30.00

Wainwright-Kellogg
Lieutenant USN

From 4 to 8 AM

Partly cloudy & pleasant. Light airs from N. & N.E. Barometer rising. Crew at work cleaning ship. At 7.20 the "Brooklyn" made preparatory signal No 1140, Answered. At 7.45 the Brooklyn made signal No 1140, Answered, and sent up topgallant masts at 8.00 Aumid barometer at end of watch 29.98. Crew in the hawse.

Lieutenant USN

From 8 AM to Meridian

Cloudy and damp, Light airs from N.E. Executive Officer of U.S.S. "Brooklyn" paid an official visit to the ship, British Man of War got up anchor & left the port. Hoisted sheet anchor out of hold, and got it to the S.W. cat head. Ship riding to ebb tide, Crew in the hawse. Sent an Officer to the U.S. Consul on shore with offer of boat to bring him off to the ship, Aumid barometer 30.00

Master USN

Meridian to 4 PM

Cloudy, pleasant. Light airs from S.W. Cleared hawse. Received a visit from the U.S. Consul. and Vice Consul Aumid 30.00.

Wainwright-Kellogg
Lieutenant USN

4 to 8 PM

Pleasant weather, Light breze from S.W. Barometer steady. At 4.20 the "Brooklyn" made signal 2372, Answered. Sent a boat to the "Brooklyn" for our mail., At 4.40 made signal 5040 to the "Brooklyn", Answered 904. Got up hammock gutlines & clothes lines. Went to quarters at 5.15, and served out clean hammocks.

Master USN

From 8 PM to Midnight

Cloudy, pleasant. Light airs from S.W. Aumid 30.10

Wainwright-Kellogg
Lieutenant USN

Examined and found to be correct.

W. H. Parker
Navigator.

LOG of the UNITED STATES Ship "Essex", 3d Rate, 6 Guns,

Montevideo Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SW	NE	1		30 10	64	57	51		bclw	Ci	9	8	
2			N x W	"	1		" 11	64	57	51		bc	"	9	8	
3			NW	"	1		" 10	64	57	51		"	"	9	8	
4			"	"	1		" 10	64	57	51		"	"	9	8	
5	Calm		"	—	0		" 10	64	57	51		"	Ci Str	9	8	
6			"	—	0		" 11	64	55	52		"	"	8	"	
7			SE	—	0		" 12	64	57	52		"	Ci	9	"	
8			"	—	0		" 13	64	57	52		"	"	9	"	
9			"	—	0		" 12	64	55	53		"	"	9	"	
10			"	—	0		" 13	64	55	53		"	"	9	"	
11			SE x E	E	1		" 15	65	56	54		"	"	9	"	
Noon.			"	"	1		" 13	65	56	54		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 400 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1315 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N E x N	E.	2		30 12	66	61	61	51	bc	Ci	9	8	
2			N	"	2		" 14	66	61	61	51	"	"	9	"	
3			NW	"	2		" 15	66	61	61	51	"	"	9	"	
4			W	"	2		" 15	66	61	61	51	"	"	9	"	
5			S E	S E	3		" 19	66	57	52		"	"	9	"	
6			"	"	2		" 21	66	57	53		"	"	9	"	
7			"	"	2		" 21	66	57	53		"	"	9	"	
8			"	"	2		" 23	66	57	55		"	"	9	"	
9			S E x E	"	2		" 23	66	55	52		bc	—	10	"	
10			S E	"	2		" 23	66	55	52		"	—	10	"	
11			E x S	"	2		" 23	66	55	52		"	—	10	"	
Mid.			E x N	"	1		" 23	66	55	53		"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A.H. McCormick, U. S. Navy,

Thursday May 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing & until 4 AM. Weather clear & pleasant, though a heavy dew falling all the watch. Light airs from SE. Ship swung to port at 9.30. Clear hawse. Bright starlight. Averd 30.15.

Karl Rohrer
Lieutenant USN.

From 4 to 8 AM.

Clear & pleasant, calm. Barometer rising slowly. Clear hawse. Scrubbed hammocks. Averd barometer 30.13.

W.M. Cowie
Master USN

From 8 AM to Meridian

Clear delightful weather. Light airs from E., At 9.30 inspected and mustered crew at quarters. A Board of Survey consisting of Lt Comdr C.M. Anthony, Lieut Karl Rohrer and Lieut J.A. Calhoun met on board. Made preparations for coaling. Received official visit from the Comg Officers of the Spanish & Italian men of war. Averd 30.13. By order of Comg Officer M. McQuade (C Top) was given 5 days solitary confinement on bread & water, and S.P. Smallfield (C B) was given ten days extra duty for fighting.

W. Winslow Kellogg
Lieutenant USN

From Meridian to 4 PM

Weather, clear & pleasant. with light breze from E.; barometer steady Coaling ship. Received official visit from the Comdrs of the Argentine Confederation and French gun boats, Ar elbow in hawse. Averd barometer 30.12.

Karl Rohrer,
Lieutenant USN

From 4 to 8 PM

Clear & pleasant, Light breze from SE. At 5 finished coaling. Received on board 99 9/20 tons of Coal, At 5.30 mustered at quarters & turned in hammocks. At 4.30 made signal (Inter) 2983, Flagship answered 904, Elbow in hawse. at end of watch. Averd 30.19

W. Winslow Kellogg
Lieutenant USN

From 8 to Midnight.

Weather clear & pleasant. Barometer steady. Light breze from E to SE. Bright starlight, At 8.11 Brooklyn signalled by Very's code, signal # 2670, and we answered with numeral 45 — She then made signal # 2928, and we answered numeral 20, Elbow in hawse, Averd barometer 30.20.

Karl Rohrer,
Lieutenant USN

Examined and found to be correct.

W. H. Parker.
Navigator.

LOG of the UNITED STATES *Ship "Essex."* 3d Rate, 6 Guns,

Montevideo. Uruguay, S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	*Anchor*		*NE.*	*Calm*	0		30.23	61	55	52		*b*		10	*S*	
2	"		"	"	0		30.23	61	55	52		"		10	"	
3	"		"	"	0		30.23	61	55	53		"		10	"	
4	"		"	*E*	1		30.23	61	54	53		"		10	"	
5	"		"	"	1		30.26	60	54	52		"		10	"	
6	"		*N*	"	1		30.26	60	50	46		"		10	"	
7	"		*W.*	*E.N.E.*	1		30.27	61	51	48		"		10	"	
8	"		"	"	1		30.27	63	61	48		"		10	"	
9	"		*S.W.*	"	1		30.26	63	52	50		"		10	"	
10	"		*S.S.E.*	"	1		30.25	63	53	51		"		10	"	
11	"		"	"	1		30.25	63	53	51		*bc*	*cir*	9	"	
Noon.	"		*S.E.x.S*	"	1		30.25	63	53	51		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — *300* gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — *1015* "

Coal consumed during the preceding 24 hours — tons . lbs.

Coal remaining on hand at Noon — " "

P. M.														
	Moored													
1	"	*S.x.W.*	*S.S.E.*	1		30.24	62	54	52		*bc*	*Cir*	9	*S*
2	"	"	"	1		30.23	61	56	53		"	"	9	"
3	"	"	"	1		30.22	61	57	53		"	"	9	"
4	"	"	"	1		30.22	61	57	53		"	"	9	"
5	"	*S.W.x.W.*	"	1		30.21	61	57	53		"	*Cir Str.*	8	"
6	"	*N.W.*	"	1		30.20	61	57	53		"	"	9	"
7	"	"	"	1		30.22	61	57	54		"	"	9	"
8	"	*N.N.E.*	"	1		30.22	61	57	54		"	"	9	"
9	"	"	"	1		30.22	61	55	53		*b*		10	"
10	"	*E.N.E.*	*N.W.*	1		30.21	60	55	53		"		10	"
11	"	"	"	2		30.21	60	55	53		"		10	"
Mid.	"	"	"	1		30.19	60	55	53		"		10	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Friday. May 19th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear and pleasant. Bright moonlight.

W. H. Rowker
Lieutenant

4 to 8 A.M.

Clear and pleasant. Heavy dew. Sent mail to U.S.-Flagship made signal. 33.50. Answered. 3026. Turn in hawse at end of watch

Wainwright Keeney USN
Lieutenant

8 A.M. to Merid.

Weather clear and pleasant. Barometer steady at 30.25. Light airs from E.N.E. Cirrus clouds. Cleared hawse. Set up topmast rigging. Squared rattlines lower rigging. Painting ship outside. Received on board one bag of beans in Paymasters Department. Made preparations for blacking down the rigging. Aneroid barometer. 30.22

Harl Hoker KR
Lieutenant

Meridian to 4 P.M.

Clear and pleasant. Light airs from S. and E. Barometer falling. Crew at work painting ship and blacking down rigging. Aneroid barometer at end of watch 30.18.

[illegible]
Lieutenant

4 to 8 P.M.

Weather clear and pleasant. Barometer steady. Light breez from S.S.E. Cirrus and stratus clouds. Finished blacking down rigging and blacking boat davits. Clear hawse. Aneroid barometer 30.19.

Harl Hoker USK
Lieutenant

8 P.M. to Mid.

Weather clear and pleasant. Light airs from S. and E. Barometer falling. Aneroid at end of watch 30.19.

[illegible] USN
Lieutenant

Examined and found to be correct.

W. H. Rowker
Lieutenant & Navigator.

LOG of the UNITED STATES Ship "Essex." , 3d Rate, 6 Guns,

Montevideo Uruguay S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchor		E.	N×W.	2		30.17	60	53	50		bcg	cir	5	S.	
2	"		N×W.	N.W.	2		30.16	60	53	50		"	"	11	"	
3	"		"	"	3		30.16	60	53	50		"	"	6	"	
4	"		"	"	3		30.12	58	53	50		"	"	7	"	
5	"		"	N×E.	2		30.13	58	52	51		"	"	7	"	
6	"		N.N.W.	"	2		30.12	58	53	51		bc	cistr	9	"	
7	"		"	"	3		30.14	59	53	51		"	Cir	9	"	
8	"		"	"	3		30.14	60	53	51		"	"	9	"	
9	"		N.	"	3		30.14	60	53	51		"	"	9	"	
10	"		E.N.E.	"	3		30.13	60	55	53		"	"	8	"	
11	"		"	"	3		30.12	60	56	54		"	"	5	"	
Noon.	"		E.S.E.	"	3		30.12	60	57	54		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand for use at Noon 615 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.														
1	Anchor	E.S.E.	N×E.	3	30.10	61	60	59	bc	cir	9	S.		
2	"	"	"	3	30.07	61	62	59	"	"	7	"		
3	"	N.E.	N.W.	3	30.06	60	63	59	"	"	6	"		
4	"	N.	"	3	30.06	61	62	59	"	"	6	"		
5	"	N×E.	Calm	0	30.05	61	62	59	"	"	8	"		
6	"	"	"	0	30.05	61	61	58	"	"	8	"		
7	"	"	N.N.E.	1	30.04	60	61	58	"	"	8	"		
8	"	N.N.E.	"	1	30.04	58	61	58	"	Cum	9	"		
9	"	"	W.N.W.	1	30.07	60	60	57	"	"	6	"		
10	"	N.E.	"	1	30.05	65	60	58	"	Cir	7	"		
11	"	"	"	3	30.03	65	60	58	ocg	cumb	0	"		
Mid.	"	S.E.	N.W.	3	30.06	65	60	57	ocd	"	0	"		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, May 20th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Cloudy and hazy, cool. Light breze from E^d and shifting to N.W. and freshening. Barometer steady, Clear hawse. Aneroid bar. 30.13.

W.M.S.
Master.

4 to 8 A.M.

Clear and pleasant weather. Light breze from Northward Bar. steady. Cross in hawse. Aneroid bar. 30.13. At 7.30 flagship made signal 3350.

H.C.K.R.
Lieutenant

8 A.M. to Merid.

Weather generally pleasant. Gentle breze from N.E. freshening latter part of watch. Barometer falling. Mustered at quarters at 9.30. Sent liberty parties on shore. Aneroid barometer at end of watch 30.09. Started fires for heating ship under two boilers at 11.00.

Lieutenant

Meridian to 4 P.M.

Cloudy and pleasant. Light breze from N by E to N by W. Commanding Officer of French gunboat "Faligue" paid an official visit to the ship. The Italian man of war left the harbor. An Argentine gunboat came in and anchored.

W.M.S.
Master.

4 to 8 P.M.

Clear and pleasant. Light variable airs and calms. Barometer steady. Mustered at quarters at 4.45. Aneroid at end of watch 30.02. Enlisted for 3 yrs. general service as Lds. E.F. Robt. W. Hollis.

Lieutenant

8 P.M. to Midnight.

Overcast with light drizzling rain last hour. Light breze from N.N.W. to N.W. Barometer rising. Clear hawse. Aneroid bar. 30.02.

W.M.S.
Master.

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Ship "Essex", 3d Rate, 6 Guns,

Montevideo. Uruguay. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		S.W.	N.N.W.	3		30.08	60	60	57		ocd	cumb	0	S	
2	"		"	"	2		30.08	61	60	57		bc	"	8	"	
3	"		N.W.	"	1		30.09	61	60	57		oc	"	0	"	
4	"		"	"	1		30.08	61	60	57		bcy	"	1	"	
5	"		W.	Calm	0		30.04	61	60	57		"	"	1	"	
6	"		"	"	0		30.04	61	60	57		"	Cum.	6	"	
7	"		"	S.W.	1		30.08	61	60	57		bc	"	8	"	
8	"		"	"	1		30.07	60	58	56		"	"	8	"	
9	"		"	"	1		30.13	69	66	54		"	"	9	"	
10	"		"	"	1		30.14	67	56	52		"	"	9	"	
11	"		S.	"	1		30.15	65	57	55		"	"	9	"	
Noon.	"		"	"	2		30.16	65	57	56		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 1585 "

Water remaining on hand fit for use at Noon — 1850 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1	Moored		S.S.E.	S.S.W.	2		30.12	66	56	54		bc	cum	9	"	
2	"		S.	"	1		30.13	63	58	55		"	"	9	"	
3	"		S.S.W.	"	1		30.13	65	59	56		"	"	9	"	
4	"		"	Calm	0		30.11	65	59	56		"	"	9	"	
5	"		"	S.W.	1		30.11	65	59	56		"	"	9	"	
6	"		"	"	1		30.12	65	58	54		"	"	9	"	
7	"		W×N.	"	1		30.10	65	57	54		"	"	9	"	
8	"		N.W.	N.W.	1		30.10	65	56	52		"	"	9	"	
9	"		"	"	1		30.10	65	55	52		"	"	9	"	
10	"		N.N.E.	"	1		30.10	63	53	49		"	"	9	"	
11	"		"	"	1		30.10	61	54	50		b		10	"	
Mid.	"		S.E.	"	2		30.10	60	54	50		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, May 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Rainy first hour, pleasant remainder. Light breeze from N.E. by N. Clear hawse. Aneroid 30.04.

Wainwright-Keeney W.R.
Lieutenant

4 to 8 A.M.

Foggy at beginning of watch, afterwards clear and pleasant. Barometer rising. Light airs from S.W. and calms. Clear hawse. Distilling fresh water. Aneroid at end of watch. 30.09.

J.D. Ames
Lieutenant

8 A.M. to Merid.

Delightful weather. Light airs from S.W. Clear hawse. At 9.30 called all hands to muster. Read Articles for the government of the navy, and general orders from 206 to 211, inclusive. Mustered the crew. Distilling fresh water. Aneroid barometer at close of watch 30.10.

W.M. Emmons
W.M.E.
Master.

Meridian to 4 P.M.

Clear and very pleasant. Light airs from S.S.W. Clear hawse. At 1 P.M. sent visiting party to U.S.S. "Brooklyn" and sent for them at 3 P.M. A visiting party of from the "Brooklyn" was on board from 2 to 3 P.M. Furled awnings at 3.45 P.M. Aneroid at end of watch 30.07.

Wainwright-Keeney
W.R.
Lieutenant

4 to 8 P.M.

Clear and pleasant. Bright starlight latter part. Light airs from S.W. Clear hawse. Stopped distilling at 4.30 and banked fires for heating the ship. Aneroid bar at end of watch 30.08.

W.M. Emmons
W.M.E.
Master.

8 P.M. to Midnight

Clear and pleasant. Light breeze from N.W. Clear hawse at end of watch. Aneroid 30.09.

Wainwright-Keeney
W.R.
Lieutenant

Examined and found to be correct.

W. H. Porter
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Montevideo. Uruguay. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		S.E.	N.N.W.	3		30.09	60	59	50		b		10	S	
2	"		"	"	3		30.07	59	54	50		"		10	"	
3	"		N.×E.	"	3		30.07	59	51	50		be	Cir.	9	"	
4	"		N.E.	"	3		30.08	59	51	48		"	"	9	"	
5	"		N.	"	2		30.09	58	50	48		"	"	9	"	
6	"		N.W.	"	2		30.09	56	50	48		"	"	9	"	
7	"		W.	N.W.	2		30.10	56	50	49		"	"	9	"	
8	"		"	"	2		30.12	56	52	49		"	"	9	"	
9	"		"	"	3		30.13	57	55	50		"	"	9	"	
10	"		S.W.	W.	2		30.15	58	56	52		"	"	9	"	
11	"		"	"	2		30.16	58	57	52		"	"	9	"	
Noon.	"		"	"	3		30.16	60	57	54		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water distilled during the preceding 24 hours — 1450 "

Water remaining on hand fit for use at Noon — 3000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.														
1	Moored	S.S.W.	W.	3		30.13	60	58	54		bc	Cir	9	b
2	"	"	"	3		30.11	60	59	55		"	"	9	"
3	"	S.	"	3		30.12	60	59	56		"	"	9	"
4	"	"	"	3		30.12	60	58	56		"	"	9	"
5	"	"	"	1		30.13	62	58	56		"	"	9	"
6	"	"	"	1		30.14	63	58	54		"	"	9	"
7	"	"	"	1		30.14	64	57	53		"	"	9	"
8	"	N.W.	Calm	0		30.14	64	57	53		"	"	9	"
9	"	N.W.×W.	N.	2		30.14	64	55	52		"	"	9	"
10	"	"	"	2		30.13	64	55	52		b		10	"
11	"	"	"	3		30.13	64	53	51		"		10	"
Mid.	"	N.N.W.	"	3		30.12	64	53	51		"		10	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, May 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather clear and pleasant, though a heavy dew falling. Fresh breeze from N.N.W. Barometer steady. Fires banked. Aneroid barometer 30.09.

Karl Rohrer
Lieutenant

4 to 8 A.M. Pleasant weather. Moderate breeze from N.N.W. Barometer steady. Fires banked. Aneroid barometer at 8 o'clock 30.11. At 7.30 "Brooklyn" made signal 3350. Answ'd. Cross in the hawse. At 7.30 made signal (Int.) 5455. "Brooklyn" answered. Pass. Loosed sail to dry at 8 o'c.

W. M. Brown
Master

8 A.M. to Merid. Clear delightful weather. Light breeze from W'd. At 9.30 mustered and inspected at quarters. Sent liberty party on shore. Lowered sailing launch and sent her on shore to be cleaned. Clear hawse. Aneroid 30.15. The following named men were found absent without leave, P. Deany, 2d Lt. Rmrs. F. Irelin O.S. Edw'd Forde, Lds. J. McGowan, Sea. H. Lake, Pvt. Thos. J. Markey, Pvt. Karl Jakobson, Lds. W. Morris, C.A.G. W. E. Pickett, 1 C.B. Wm. Craig, Finisher, and Robt. Woolley, Sea.

Wainwright-Kellogg
Lieutenant

Merid to 4 P.M. Weather clear and pleasant with light breeze from W'd. Barometer steady. Clear hawse. Aneroid barometer 30.11. At 3.30 "Brooklyn" made signal 2984. Answered. Hoisted sailing launch. Roy K. Turner, 1 C.B. broke his leg while working ashore, hauling up the sailing launch to be scrubbed, and was taken to the English hospital. John Clinio, O.S. 2 C. was placed under sentry's charge, for bringing spirits on board ship, to await the Commanding Officer's action in his case. Fires banked.

Karl Rohrer
Lieutenant

4 to 8 P.M. Clear, delightful weather. Light airs from W'd. At 4.115 mustered at quarters. The following named men found absent without leave, viz, 2d Lt. Irelin O.S. Edw'd Forde. Lds. J. McGowen, Sea. Wm. Craig, Finisher. K. Jakobson. Lds. W. Morris. C.A.G. R. Woolley, Sea. H. Lake. Pvt. M. T. J. Markey. P.M. Aneroid 30.12.

Wainwright-Kellogg W.K.
Lieutenant

8 P.M. to Midnight Clear and pleasant. Light to fresh breeze from N. Barometer steady. Bright starlight. The U.S.S. "Monroe" came in and anchored off our port quarter at 9.30. Fires banked under two ford starboard boilers. Aneroid barometer 30.10.

Karl Rohrer
Lieutenant

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Montevideo Uruguay S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		E.S.E.	N.×W.	2		30.07	58	56	52		b		10	S.	
2	"		N.E	"	1		30.06	57	56	52		"		10	"	
3	"		"	"	2		30.05	58	56	52		"		10	"	
4	"		N.	"	2		30.07	59	51	50		"		10	"	
5	"		N.W.	"	2		30.09	59	53	49		"		10	"	
6	"		"	"	1		30.10	59	53	49		"		10	"	
7	"		"	N.W.	2		30.11	57	50	47		"		10	"	
8	"		"	"	3		30.11	57	50	48		"		10	"	
9	"		N.N.W.	"	3		30.10	57	54	56		"		10	"	
10	"		W.	"	11		30.10	62	60	53		bc	Cir	9	"	
11	"		"	"	11		30.10	62	62	57		"		9	"	
Noon.	"		"	"	3		30.10	62	62	57		"		8	"	

P. M.																
1	Moored		S.W.	W.×N.	3		30.06	60	62	57		bc	Cir Cum	8	S.	
2	"		"	"	3		30.06	60	62	57		"	"	8	"	
3	"		"	"	3		30.06	60	62	57		"	"	7	"	
4	"		"	"	3		30.05	60	62	57		"	"	7	"	
5	"		W.	W.N.W.	3		30.05	60	61	56		"	"	6	"	
6	"		N.W.	"	3		30.05	60	61	56		"	"	5	"	
7	"		W.	"	3		30.08	64	60	56		"	"	5	"	
8	"		S.W.	"	3		30.10	64	58	56		"	"	7	"	
9	"		"	"	2		30.11	64	58	56		bz		10	"	
10	"		"	"	1		30.12	64	58	57		"		10	"	
11	"		S.	Calm	0		30.14	64	58	56		bo	cir	9	"	
Mid.	"		"	"	0		30.15	64	58	56		b		10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2700 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations ☼ — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, May 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and cool. Light breze from N by W. Barometer falling. Aneroid at end of watch 30.09.

P. Ross
Lieutenant.

4 to 8 A.M. Clear and cool. Light to moderate breze from N.W. At sunrise Flagship hoisted her colors. U.S.S. "Marion" hoisted her number and colors. Aneroid 30.10

Wainwright-Kellogg
Lieutenant

8 A.M. to Meridian.

Weather clear and pleasant. Barometer steady. Cirrus clouds. Breze gentle to moderate from N. to N.N.W. Fires banked under two forward starboard boilers. Mich. McQuade, O.S. and John Clunie, O.S. 2 c. were released from confinement by order of Commanding Officer. At 9.30 mustered and inspected the crew at quarters and found the following men absent without leave.— Lars F. Frilin. O. Edw. Forde, Lds. John W. Gowen, Sea. K. Jakobson. Lds. Wm. Craig. Finisher. Robt. Woolley, Sea. H. Lake. P.M. and T. J. Markey. P.M. Exercised 1st and 2d. Divisions at single sticks Powder Division. Marine Guard and 3d division at small arms. By order of Commanding Officer the following men were given extra duty.— Julius Hartman, 1 C.B. and Jno A Gibson, Lds. one day each for having clothes in lucky bag. F. K. Bashforth, O.S. 2 c. 7 days for being tipsey on duty and John Clunie, O.S. 2 c. 20 days for smuggling liquor. Aneroid barometer 30.07

Karl Rohrer
Lieutenant

Meridian to 4 P.M.

Clear and pleasant. Gentle breze from N. and W. At 12.55 "Brooklyn" made signal. 4826. Furled sail at 1.00. At 2 Flagship signalled 1087. Sent boat for mail. Barometer falling. Aneroid at end of watch 30.02.

P. Ross
Lieutenant

4 to 8 P.M.

Weather clear and pleasant. Barometer rising slightly at end of watch. Gentle breze from N.N.W. Fires banked under two forward starboard boilers. At 4.45 mustered crew at quarters. the same men were absent without leave as at morning quarters. The French gunboat "Bourdonais" went to sea. Aneroid barometer 30.08. Clear horizon. At 5 made signal. Sub No. 2985 and Flagship answered with signal No. 901.

Karl Rohrer
Lieutenant

8. P.M. to Midnight.

Weather clear and pleasant. Light airs from N.N.W and calms. Barometer rising. Aneroid, at end of watch 30.13.

C. P. Ross
Lieutenant

Examined and found to be correct.

W. T. Pashley
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Montevideo. Uruguay S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		S.E.	Calm	0		30.15	63	57	55		bs		10	S	
2	"		"	SE.	1		30.16	62	56	55		lfc		10	"	
3	"		"	"	2		30.15	61	56	54		"		10	"	
4	"		"	"	2		30.15	60	56	54		"		10	"	
5	"		E by E.	"	2		30.19	60	56	55		bc	cir	9	"	
6	"		"	"	2		30.20	60	56	54		"	"	9	"	
7	"		E.	"	2		30.20	60	56	53		"	"	9	"	
8	"		N.E by N.	"	2		30.22	60	57	54		"	"	9	"	
9	"		"	"	2		30.23	60	57	54		"	"	9	"	
10	"		"	"	2		30.23	62	57	54		"	"	9	"	
11	"		SE by S.	"	3		30.23	64	57	54		"	"	9	"	
Noon.	"		"	"	3		30.24	65	57	54		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 305 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2395 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.														
1	Moored		S.E.	S.E.	3	30.24	66	57	51		bc	cir	8	N
2	"		"	"	4	30.24	65	57	51		"	"	9	"
3	"		"	"	4	30.24	65	57	51		"	"	9	"
4	"		E by E.	E.	4	30.22	63	56	51		"	"	9	"
5	"		"	"	3	30.23	65	55	51		"	"	9	"
6	"		"	"	2	30.24	67	55	51		"	"	9	"
7	"		E by S	"	1	30.26	67	55	51		"	"	9	"
8	"		S by W.	"	1	30.26	66	53	49		"	"	9	"
9	"		N.E by N.	N.E	2	30.27	65	53	49		"	"	8	"
10	"		ENE.	"	2	30.27	65	53	49		"	Cir str	6	"
11	"		E	"	2	30.28	65	52	48		"	"	8	"
Mid.	"		ENE	"	2	30.28	65	52	48		"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, May 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Heavy dew. Light breze from S.E. Barometer steady. Cross in the hawse, ship sliding to the starboard chain. Aneroid barometer 30.11.

W. M. Cowie
Master

4 to 8 A.M.

Weather clear and pleasant. Barometer rising. Light breze from S.E. Fire banked under two starboard forward boilers. Aneroid barometer 30.23. At 7.30 Flagship made signal, No 3350. which we answered. Clear hawse.

Karl Rohrer,
Lieutenant

8 A.M. to Meridian.

Clear and pleasant. Gentle breze from S.E. Barometer, rising. Mustered at quarters at 9.30 and found nineteen of the crew absent without leave. Exercised 1st and 2d Divisions at great guns. 3d Division at single sticks. Marine Guard at small arms. and Powder Division at passing powder. The Commanding Officer of the "Brooklyn" visited the ship. The "Brooklyn" made preparations for getting under way. Sent liberty party on shore. Clear hawse. Aneroid barometer at end of watch, 30.20.

P. Rus
Lieutenant

Meridian to 4 P.M.

Pleasant weather. Light breze from S.E. An Officer from shore came on board with a request to dress ship to morrow in honor of the anniversary of Uruguayan Independence. Commanding Officer of the U.S.S. "Marion" made an official visit to the ship. U.S.S. "Brooklyn" got up anchor and left the harbor at 1.40. Hubert Royals and Topgallant sails, and got the yards into the rigging. Made preparations for dressing ship. Clear hawse. Aneroid barometer 30.20.

W. M. Cowie
Master

4 to 8 P.M.

Clear and pleasant. Light airs from E. Barometer rising. Mustered at quarters at 4.45. At same time made preparatory signal 6 1 4 4. The U.S.S. "Marion" answered. At 4.55 made signal 6 1 4 4 and at sunset sent up topgallant yards. Aneroid barometer at end of watch 30.24.

P. Rus
Lieutenant

8 P.M. to Midnight

Clear and pleasant first part, with bright moonlight and starlight. Clouding over latter part. Light breze from N.E. Aneroid barometer at end of watch 30.24. Cross in the hawse.

W. M. Cowie
Master

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex. 3d Rate, 6 Guns,

Montevideo Uruguay S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Moored			S.E	E by S.	1		30.27	60	53	48		b		10	8	
2	"		"	"	1		30.27	60	52	48		"		10	"	
3	"		"	"	1		30.27	61	53	48		"		10	"	
4	"		"	"	1		30.25	60	53	48		"		10	"	
5	"		"	"	1		30.24	58	48	45		"		10	"	
6	"		E	Calm	0		30.25	58	48	45		bc	Cums	9	"	
7	"		N	"	0		30.25	58	47	45		"	"	9	"	
8	"		N.N.E.	N.E	1		30.26	58	47	45		"	"	9	"	
9	"		N.E.×N.	N.E.	1		30.26	59	50	48		"	Cirs	9	"	
10	"		N.E.	"	1		30.26	59	54	51		"	"	9	"	
11	"		N.E×E.	"	1		30.26	60	57	53		"	"	9	"	
Noon.	"		N.N.E.	"	1		30.22	61	60	55		"	Cir Cts	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	305 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	2090 "	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.														
1 Moored		N.N.W.	E.	1	30.20	61	60	55	bo	cir	9	8		
2	"	S.E.	"	1	30.18	60	60	54	"	"	9	"		
3	"	"	"	1	30.17	62	57	55	"	"	9	"		
4	"	"	"	1	30.17	62	56	54	"	"	9	"		
5	"	"	"	1	30.16	62	56	53	"	"	9	"		
6	"	"	"	1	30.14	60	55	53	"	"	8	"		
7	"	"	Calm	0	30.14	60	56	54	b		10	"		
8	"	N.W	"	0	30.14	60	56	54	"		10	"		
9	"	"	"	0	30.15	60	56	50	"		10	"		
10	"	"	"	0	30.15	60	57	52	baz	cir str	8	"		
11	"	N.N.E.	N.E	1	30.15	60	54	50	b		10	"		
Mid.	"	N.E.	"	1	30.15	60	54	50	"		10	"		

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, May 25th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light airs from S.E. and E. Aneroid 30.20.

Winninghe-Keeney
Lieutenant

4 to 8 A.M.

Clear and pleasant. Light airs from N.E. and E. and calms. Barometer steady. The Spanish Man of War left the harbor at 6.30 flying her colors. Hoisted our colors in return, the "Marion" following our lead. At sunrise the "Essex" and "Marion" dressed ship with Argentine flag at the main following the movements of the Argentine man of war. Broke out hold. Aneroid barometer at end of watch 30.21. Cross in hawse.

A. P. Lee
Lieutenant

8 A.M. to Meridian.

Clear delightful weather. Light breeze from N.E. Cross in hawse. Made preparations for taking in provisions and at 11.10 a lighter came alongside. All hands employed remainder of watch in passing in stores. Robert Woolley, (Sea) returned to the ship 76 hours over time. By order of Commanding Officer T. J. Markey (P.M.) was given ten days extra duty for overstaying liberty and Wm. E. Pickett (1 C.B.) five days extra duty for stowing himself away while on anchor watch. Aneroid barometer at the close. 30.20.

W. W. Smith
Master.

Meridian to 4 P.M.

Light breeze from E. Clear and pleasant. Took in provisions and stowed them. A German brig came into the harbor and anchored and an English barque went to sea. Elbow in hawse. Aneroid at end of watch 30.15

Winninghe-Keeney
Lieutenant

4 to 8 P.M.

Pleasant weather. Calm. Bright starlight latter part. Undressed ship at sundown. At 5.15 "Marion" made signal. Int' 2984. Ans. 904. Cross in hawse. Aneroid barometer 30.11.

W. W. Smith
Master.

8 P.M. to Midnight

Clear and cool. Light breeze from N.E. last two hours. Calm first half. Cross in haubse at end of watch. Aneroid 30.12.

Winninghe-Keeney
Lieutenant.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Montevideo Uruguay S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		E.N.E.	N.E.	1		30.11	60	51	50		b		10	S.	
2	"		N.E.×E.	"	1		30.10	60	52	50		bc	Cumu	9	"	
3	"		S.E.×E.	"	1		30.09	60	52	51		"	"	9	"	
4	"		E.S.E.	"	1		30.07	60	52	51		"	"	9	"	
5	"		E.	"	2		30.07	59	52	50		"	Cu. Cumu	4	"	
6	"		"	"	1		30.09	59	52	50		"	"	2	"	
7	"		"	N.	1		30.12	60	53	51		"	"	1	"	
8	"		N.N.E.	"	1		30.12	61	54	52		"	"	1	"	
9	"		"	"	2		30.12	61	56	52		"	"	5	"	
10	"		N.	"	2		30.12	62	51	51		"	"	7	"	
11	"		"	"	2		30.13	64	60	58		"	"	8	"	
Noon.	"		"	"	2		30.10	64	60	58		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1790 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.															
1	Moored		N.W.	N.	2		30.01	64	62	59		bc	Cir. cumu	5	S.	
2	"		"	"	2		30.03	64	63	59		"	"	2	"	
3	"		"	"	3		30.01	64	62	59		"	Cir Cumu Nimb	1	"	
4	"		N.	"	3		29.99	64	62	59		"	"	1	"	
5	"		"	"	2		30.00	64	62	59		"	"	1	"	
6	"		N.E.	"	2		30.00	64	62	59		oo	"	0	"	
7	"		"	"	2		30.02	63	62	60		pcd	"	0	"	
8	"		"	"	2		30.03	64	62	60		bc	Cumu Nimb	4	"	
9	"		N.N.W.	"	1		30.03	64	62	59		"	Cir cumu Nimb	1	"	
10	"		"	"	0.1		30.03	64	61	59		"	Cir cumu	1	"	
11	"		"	"	1		30.01	64	60	58		"	Cir Cumu St	2	"	
Mid.	"		N×W.	"	1		30.01	64	60	58		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Friday, May 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light breze from N.E. Barometer falling, Cumulous clouds. Fires banked under two forid starboard boilers, Cross in hawse, Aneroid barometer 30.10.

Hal Rohrer,
Lieutenant.

4 to 8 A.M.

Cloudy and pleasant. Light breze from N.E. veering to N. The Spanish Man of War reentered the harbor at 7. flying her colors. Hoisted our colors, the Marion following suit. both hauling down when she anchored. Sent boat for liberty men, and brought off a large number. Turning in the hawse, Aneroid 30.10.

W M Cowan
Master

8 A.M. to Meridian.

Clear and pleasant. Light breze from N. At 9.30 mustered and inspected at quarters. Exercised 1st and Navigators Divisions at small arms. 2d and Powdr at single sticks. The following named men were found absent without leave, Lars T. Frelin, O.S. John McGowen, Sea. E. Lake, P.M. W. Craig, Finisher, Karl Jakobson, Lds. John Turney, O.S. Thos J. Rodgers, Carp. J. Thompson, Sea. Wm T. Stewart, Sea. J. J. Mulchay, O.S. Walter Disney, Lds. M. Sullivan, 1st Pat. Glennon, Lds. Karl Althoff, O.S. Benj Campbell, P.M. John Hempsey, P.M. Sent liberty party on shore. At 10.30 "Marion" made signal 2259 "Int." Answered 90 H. "Marion" shifted berth to N and E. Cleared hawse, Cross in hawse at end of watch. Aneroid 30.05.

Wainwright-Keeney
Lieutenant

Meridian to 4 P.M.

Weather pleasant though somewhat cloudy. Light to gentle breze from N. Barometer falling. Clouds Cirrus Cumulus and Nimbus. Fires banked under two forward starboard boilers. A mechanic from shore took measurement for cradle and inner braces for sailing launch. Sent on board the English mail steamer "Nemnon". Ezra D. Shepard, Bs; Thos Seward, Sea & Geo. G. Chipman, 1 CB. Frank Congdon, P.M. Harry Lewis, P.M. and James Bardsley, P.M. for passage home, they having been condemned by Medical Survey to be sent home to Brooklyn hospital. Aneroid barometer 30.00.

Hal Rohrer,
Lieutenant

4 to 8 P.M.

Cloudy, Drizzling rain, Clearing weather at end of watch. Cross in hawse, at end of watch. Aneroid 30.00.

Wainwright-Keeney
Lieutenant

8 P.M. to Midnight.

Weather pleasant. Light airs from N. Fires banked under two forward starboard boilers. Aneroid barometer 30.00

Hal Rohrer,
Lieutenant

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex". 3d Rate, 6 Guns,

Montevideo Uruguay. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		N.W.x.N.	N.N.	1		30.00	62	59	57		bc	Cumu	2	S.	
2	"		N.N.W.	Calm	0		29.98	62	59	57		"	"	1	"	
3	"		E	N.E.	1		29.97	62	59	57		bcp	Cumu Nimb	11	"	
4	"		E.x.S.	"	1		29.96	62	59	57		bc	Cumu	9	"	
5	"		S.E.	"	2		29.98	60	58	56		bc	"	8	"	
6	"		"	"	2		30.00	60	58	56		ocf	"	0	"	
7	"		"	"	2		30.01	64	56	54		"	"	0	"	
8	"		W.S.W.	W.S.W.	2		30.03	64	57	57		"	"	0	"	
9	"		"	"	2		30.05	66	57	56		"	"	0	"	
10	"		"	"	2		30.04	66	56	53		"	Cir	1	"	
11	"		W.	"	2		30.01	64	56	55		bc	Cir Cumu	2	"	
Noon.	"		N.W.	"	2		30.04	62	56	55		bcf	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 390 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 11400 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — 98 " 833 "

P. M.															
1	Moored		W.x.N.	W.S.W.	2		30.03	62	56	54		bcf	Cir Cumu	1	S.	
2	"		W.x.S.	"	2		30.02	62	55	54		ocf	"	0	"	
3	"		"	"	2		30.02	62	55	54		bc	"	11	"	
4	"		S.W.	"	2		30.00	62	55	54		"	"	7	"	
5	"		W.x.S.	W.N.W.	2		30.00	62	56	54		"	"	7	"	
6	"		N.W.x.W.	"	2		30.01	62	55	53		"	"	7	"	
7	"		"	N.W.x.W.	3		30.01	62	57	53		"	"	8	"	
8	"		"	"	3		30.04	62	57	53		"	"	3	"	
9	"		W.	W.	2		30.04	66	57	53		"	"	3	"	
10	"		W.x.S.	W.x.S.	11		30.03	65	57	51		"	"	1	"	
11	"		S.W.x.W.	W.S.W.	6		30.03	62	57	51		"	"	2	"	
Mid.	"		S.W.	S.W.	6to7		30.02	62	57	51		bcf	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Saturday, May 27th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy and cool. Light variable airs and calms. Barometer falling. Clear hawse. Aneroid barometer at end of watch 29.98.

C P Rees
Lieutenant

4 to 8 AM.

Foggy last two hours. Clear and pleasant first two. Light breeze from N.E. Elbow in hawse at end of watch. Aneroid 30.00

Wainwright Kellogg
Lieutenant

8 AM. to Meridian.

Weather overcast and foggy with occasional bright periods. Light breeze from N by W. Barometer steady. At 9.30 mustered and inspected Cr at quarters. Lars F. Frelin. Os: John McGowen. Sea. H. Lake. P.M. Karl Jakobson. Lds. Wm Craig. Finisher: being absent from ship four days over time, John Tierney. Os. T. J. Rodgers. Carp. John Thompson. Sea. Wm F. Stewart. Sea. J. J. Mulchay. Os. W. Disney. Lds. and M Sullivan. 1st. being each two days over time P. Glennon. Lds. Karl Althoff. Os. and John Hempsey. P.M. were absent without permission from 7 am to day. Fires banked under two starboard forward boilers. Aneroid barometer 30.01. An Argentine gunboat came in and anchored off our port bow. A French gunboat in sight outside firing at a target.

Karl Kohler
Lieutenant

Meridian to 4 P.M.

Clear and pleasant. Light breeze from N by W. Barometer falling. The Italian and the Argentine men of war returned to their anchorage in the harbor. Shifted fires from two forward starboard to two forward port boilers. Aneroid at end of watch 30.10

C P Rees
Lieutenant

4 to 8 P.M.

Weather clear and pleasant. Light to gentle breeze from N by W to N by E. Barometer steady. Clouds cirro-cumulus. At 4.45 mustered at quarters and found the same men absent as at morning quarters. Fires banked under two forward port boilers. Aneroid barometer 30.02.

Karl Kohler
Lieutenant

8 P.M. to Midnight

Cloudy and cool with wind blowing in fresh squalls from W to S.W. Sea growing rough. Barometer falling. Aneroid at end of watch 30.00.

C P Rees
Lieutenant

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Montevideo. Uruguay. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored.		S.W.	S.W.	6		30.02	61	53	50		bc	air	9	M.	
2	"		"	"	6		30.03	61	54	49		"	"	9	"	
3	"		"	"	6		30.04	60	53	48		b		10	R.	
4	"		S.W.×W.	"	6		30.04	60	53	48		"		10	M.	
5	"		"	"	5		30.05	60	53	48		"		10	"	
6	"		S.W.	W.S.W.	5		30.05	60	53	49		bc	cum	9	"	
7	"		"	"	5		30.05	60	54	49		"	air	9	"	
8	"		S.W.×W.	S.W.×W.	5		30.09	62	54	48		"	"	9	"	
9	"		"	"	4		30.10	62	54	48		"	"	9	"	
10	"		"	"	4		30.10	62	54	48		"	"	9	"	
11	"		"	"	3		30.10	62	54	48		"	"	9	S.	
Noon.	"		W.S.W.	W.S.W.	3		30.09	62	54	48		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	335	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1065	"	
Coal consumed during the preceding 24 hours	1 tons	5 lbs.	
Coal remaining on hand at Noon	97 "	828 "	

P. M.															
1	Moored.		W×S	W.×S	11		30.05	65	56	49		bc	air	9	S.	
2	"		"	W.	3		30.05	67	56	50		"	"	9	"	
3	"		"	"	3		30.05	68	56	50		"	Cir cum	8	"	
4	"		"	"	3		30.04	70	56	50		"	"	8	"	
5	"		"	"	2		30.04	70	56	50		"	"	8	"	
6	"		"	"	1		30.04	70	56	50		"	"	8	"	
7	"		N.W.	Calm	0		30.04	67	53	48		"	"	7	"	
8	"		"	"	0		30.04	67	53	48		"	"	11	"	
9	"		"	N.W.	3		30.02	66	52	47		"	"	3	M.	
10	"		"	"	11		30.00	65	52	47		"	"	11	"	
11	"		"	"	6		29.98	64	52	47		"	"	2	"	
Mid.	"		"	"	5		29.96	63	52	47		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday May 28th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear with bright starlight. Moon set at 2.46. Blowing very fresh from S.W. moderating toward the close. Aneroid barometer at close of watch 30.13.

W.M. Sumner
Master

4 to 8 A.M.

Weather clear and pleasant. Barometer rising. Cumulous clouds. Fresh breeze from S.W. to W.S.W. Aneroid barometer 30.08. Fires banked under two after starboard boilers.

Hal Rohrer
Lieutenant

8 A.M. to Meridian.

Clear and pleasant. Moderate breeze from S.W. by W. Sea growing smooth. Mustered at quarters at 9.30. The Commanding Officer inspected the ship. Eighteen of the crew absent without leave. A Spanish gunboat came in and anchored at 10.00. Sent an officer to board her, and extended the customary civilities. Aneroid at end of watch 30.08.

C.P. Kess
Lieutenant

Meridian to 4 P.M.

Clear and pleasant. Light breeze from W. Sent a visiting party to U.S.S. "Marion." returned at 3.40. David Montgomery (1st Class) returned 6 hours overtime. Clear hawse. Aneroid barometer 30.12.

W.M. Sumner
Master.

4 to 8 P.M.

Clear and pleasant. Light breeze from W. Barometer steady. Aneroid at end of watch 30.06.

C.P. Kess
Lieutenant

8 P.M. to Midnight

Cloudy and cool. Fresh breeze from N.W. Sea rough and lumpy. Barometer falling. Aneroid barometer 30.00.

W.M. Sumner
Master

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Montevideo. Uruguay. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1 Moored			N.W.	N.W.	4		29.98	60	54	47		bc	cumu	4	M.	
2	"		"	"	4		29.98	59	53	47		"	"	1	"	
3	"		"	"	4		29.97	59	54	48		"	cir cumu	1	"	
4	"		"	"	4		29.96	60	54	48		"	"	1	"	
5	"		S.W.	W.N.W.	4		29.96	60	53	49		o c p.	Nimb	0	S.	
6	"		S.	"	4		29.96	60	53	49		oc	cir cumu	0	"	
7	"		E×S.	"	4		29.96	58	53	49		"	"	0	"	
8	"		N.E.	"	3		29.97	68	56	54		"	"	0	"	
9	"		N.	N.W.	2		29.98	70	54	50		bc	cir nimb	2	"	
10	"		N.W.	"	3		29.95	68	56	52		"	"	3	"	
11	"		"	"	4		29.92	65	58	54		"	"	1	"	
Noon.	"		"	"	5		29.89	60	60	56		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 315 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 750 "

Coal consumed during the preceding 24 hours — tons 1770 lbs.

Coal remaining on hand at Noon — 96 " 1298 "

P. M.															
1 Moored			W.N.W.	N.W.	5		29.87	64	62	58		bc	cir Nimb	3	M.	
2	"		"	"	6		29.86	64	62	59		"	"	2	"	
3	"		"	"	4		29.84	65	63	59		oo	Nimb	0	"	
4	"		"	W.	4		29.84	65	63	59		o c p	"	0	"	
5	"		"	"	5		29.84	65	62	60		"	"	0	"	
6	"		W.	"	4		29.87	69	63	60		"	"	0	"	
7	"		W.S.W.	W.S.W.	4		29.86	69	62	60		oc	"	0	"	
8	"		W.	W.	4		29.86	70	61	59		bcl	"	1	"	
9	"		W.N.W.	"	4		29.88	70	61	58		"	"	2	"	
10	"		"	"	4		29.90	70	61	59		bcg	cumu	2	"	
11	"		W.	"	3		29.92	69	60	58		"	"	8	"	
Mid.	"		"	"	3		29.93	69	60	58		4	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander A. W. McCormick, U. S. Navy,

Monday, May 29th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Cloudy, pleasant. Fresh breeze from N.W. Clear hawse at end of watch. Argentine gunboat went out at 1.30. Aneroid 29.96.

Wainwright Kellogg
Lieutenant.

4 to 8 A.M.

Weather overcast and gloomy. Barometer low and steady. Moderate breeze from N.N.W. Aneroid at end of watch 29.98.

C. P. Gis
Lieutenant

8 A.M. to Meridian.

Clear and pleasant, first part. Cloudy and threatening latter part. Light breeze from N.W. Went to quarters at 9.30. Exercised 1st 2d and 3d divisions at great guns. Masters division at fishing masts &c. and the Powder at powder exercise. Cross in hawse. Barometer falling. Aneroid barometer 29.91. By order of Commanding Officer, John A. Gibson, Lds. was given 4 days extra duty for remaining absent while on duty.

W. W. Smith
Master,

Meridian to 4 P.M.

Overcast and squally, the wind stiff from the N.W. At 1.15 sent down top'gt yards and topgal masts and rigged in flying jibboom. At 3.30 a rain squall passed after which the wind died down. Clear hawse Aneroid at end of watch, 29.85. At 3.40 started distilling fresh waters.

Wainwright Kellogg
Lieutenant

4 to 8 P.M.

Overcast & cloudy and rainy. Clearing latter part. Light breezes from N.E.N. to West. Put ~~sea jackets~~ the lower and topsail yards. Got in starboard accommodation ladder. Aneroid at close of watch 29.85.

W. W. Smith
Master

8 P.M. to Midnight.

Cloudy, pleasant. Clearing weather last hour. Moderate breeze from W., Aneroid 29.90.

Wainwright Kellogg
Lieutenant

Examined and found to be correct.

[illegible]
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Montevideo. Uruguay S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Moored			N.W.	N.	2		29.90	62	60	58		bc	Cir cum	1	8	
2	"		"	N.N.W.	2		29.90	62	60	58		oc	"	0	"	
3	"		"	"	1		29.90	62	59	56		ocr	Nimb	0	"	
4	"		"	"	1		29.90	62	59	56		oc	"	0	"	
5	"		"	"	1		29.90	63	59	56		"	"	0	"	
6	"		N.	"	1		29.90	64	59	56		"	"	0	"	
7	"		S.S.W.	"	1		29.92	64	59	56		"	"	0	"	
8	"		"	N.	2		29.91	64	56	54		bc	Cir cum	11	"	
9	"		"	"	2		29.96	65	56	54		"	"	7	"	
10	"		"	"	2		29.96	65	56	52		"	"	6	"	
11	"		"	"	2		29.99	64	55	52		"	"	8	"	
Noon.	"		S.W.	"	2		30.00	65	56	53		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at .	°	′ ″
Water expended during the preceding 24 hours	315	gallons.
Water *distilled* during the preceding 24 hours	1150	"
Water remaining on hand fit for use at Noon	1485	"
Coal consumed during the preceding 24 hours	1 tons 1945	lbs.
Coal remaining on hand at Noon	94 " 1593	"

P. M.																
1	Moored		S.W.	S.W.×S.	2		30.00	60	55	52		bc	Cir	9	8.	
2	"		"	"	2		30.01	60	55	52		"	"	9	"	
3	"		S.W.×S.	"	2		30.02	60	55	52		"	"	9	"	
4	"		"	"	2		30.03	60	56	52		"	"	9	"	
5	"		"	"	2		30.06	72	56	53		"	"	9	"	
6	"		S.S.E.	"	1		30.07	70	56	53		"	"	7	"	
7	"		"	"	1		30.07	71	56	53		"	"	7	"	
8	"		S.	"	2		30.08	69	56	57		"	"	8	"	
9	"		S×W	S×W	3		30.10	69	55	49		b		10	"	
10	"		S.S.W.	"	3		30.10	69	55	48		bc	Cir	9	"	
11	"		S×W	"	3		30.10	69	54	47		"	"	9	"	
Mid.	"		"	"	3		30.10	69	54	47		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset .	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, May 30th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant, breze light from W.S.W. Heavy dew. Distilling fresh water. Barometer steady. Aneroid barometer 29.90.

Karl Rohrer
Lieutenant

4 to 8 A.M.

Overcast and cloudy greater part, clearing at the close. Light breze from W.S.W. hauling to W^d. Barometer rising. Clear hawse. Took in gaskets off the yards and shipped starboard accommodation ladder. Aneroid barometer 29.94.

W M Bowman
Master

8 A.M. to Meridian.

Clear delightful weather. Moderate breze from W and S.W. At 7.48 made signal pnp. 15954. called all hands and sent up topgallant masts and yards and loosed sail. At 11.30 made signal 4826. and furled sail. At 9.46 went to general quarters and exercised. The following named men were found absent without leave, Lars F. Folin. O.S. Karl Jakobson. Lds John McGowen. Sea, H. Lake. Pvt W. Wm Craig Finisher, John Turney. O.S. T. J. Rodgers. Carp. John Thompson, Sea, Wm F. Stewart. Sea, J. J. Hulchay. O.S. Michl Sullivan, Fire, P. Glennon, Lds. Karl Althoff O.S. H. J. A. Bernhardt. Carp. M. McQuade, C.T. and Chas J. Kelly. Sea, Aneroid 30.00. Distilling. Clear hawse at end of watch.

Wainwright Kellogg
Lieutenant

Meridian to 4 P.M.

Weather clear and pleasant with light breze from S^e and W^d. Barometer rising slowly. Sent the 2^d Cutter ashore and brought off the following men who were confined ashore having paid their expenses at the jail. John Thompson. Sea, Calvary Lake, Private, J. A. Bernhardt. Carp. Mich^l McQuade. C.T. and John McGowen. Sea. Distilling water. Aneroid barometer 30.03. At 1. exercised torpedoes. putting on a hundred pound case on each of the forward booms. rigging out and exploding a primer.

Karl Rohrer
Lieutenant.

4 to 8 P.M.

Clear and pleasant. Light breze from S^e and W^d. At 4.40 mustered the crew at quarters. At sunset send down topgallant masts and yards. Clear hawse at end of watch. Aneroid 30.05 Distilling. Enlisted for three years, general service as Landsman. John Joseph McCann.

Wainwright Kellogg
Lieutenant

8 P.M. to Midnight.

Weather clear and pleasant. Barometer steady. Gentle breze from S by W. Distilling water. Bright moon and starlight. Aneroid barometer 30.10

Karl Rohrer
Lieutenant

Examined and found to be correct.

W. H. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Montevideo. Uruguay. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Moored			*S.W.*	*S.*	2		30.07	59	50	45		bc	Cis	9	M.	
2	"		"	"	2		30.07	59	51	45		"	"	9	"	
3	"		*S.S.W.*	"	2		30.07	59	51	45		"	"	9	"	
4	"		"	"	2		30.07	59	51	46		"	"	9	"	
5	"		*S.S.E.*	"	2		30.06	58	50	46		"	"	8	"	
6	"		"	"	2		30.07	59	51	47		"	"	9	"	
7	"		*S.E.*	"	2		30.08	59	52	47		"	"	9	"	
8	"		*S E x E.*	"	2		30.08	60	52	49		"	"	9	"	
9	"		*E x S*	*N E.*	2		30.12	60	51	47		"	"	9	"	
10	"		*E N E.*	"	2		30.12	60	53	48		"	"	7	"	
11	"		*N E x N.*	"	2		30.12	60	53	48		"	"	6	"	
Noon.	"		*N N E.*	*N N E.*	2		30.11	60	53	48		"	"	5	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	315		gallons.
Water *distilled* during the preceding 24 hours	1931		"
Water remaining on hand fit for use at Noon	3100		"
Coal consumed during the preceding 24 hours	1	tons 1210	lbs.
Coal remaining on hand at Noon	93	" 383.	"

P. M.														
1	*Moored*	*N.E.*	*N E.*	2		30.10	60	54	48		bc	cir	8	8
2	"	"	"	2		30.07	60	54	48		"	"	6	"
3	"	"	"	2		30.04	60	54	48		"	"	6	"
4	"	"	"	2		30.00	60	54	48		"	"	11	"
5	"	*E*	"	2		30.02	70	54	53		"	cir cum	1	"
6	"	"	"	2		30.02	70	54	53		"	"	1	"
7	"	"	"	2		30.02	70	54	52		"	"	1	"
8	"	*E S E*	*E.*	2		30.00	70	54	49		oc cg	"	0	"
9	"	*E x N.*	"	2.4		31.00	58	55	50		"	"	0	M
10	"	"	*E S E.*	4.5		31.00	58	55	50		"	"	0	"
11	"	*E S E.*	"	4.6		32.02	60	55	50		"	"	0	"
Mid.	"	"	"	4.6		30.04	60	55	50		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, May 31st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S^t. Barometer steady. Distilling fresh water. Aneroid 30.10.

C P C P Rs
Lieutenant

4 to 8 A.M.

Clear and pleasant. Light airs from S^t. At 8. sent up topgallant masts and crossed topgallant yards. Distilling. Clear hawse at end of watch. Aneroid 30.10.

Waiminghar Kellogg

8 A.M. to Meridian,
Lieutenant

Weather clear and pleasant. Light breeze from N.E. Barometer steady. Cirrus clouds. H.M.S. "Garnet" came into harbor and anchored at 9.30. - sent an officer on board with the usual offer of civilities. Mustered and inspected at quarters and found Lars F. Frelin (O.) Karl Jakobson. (Lds.) Wm. Craig (Finisher) John Feeney (O.) T. J. Rodgers. (Carp.) Wm. F. Stewart (Sea) J. J. Mulchay. (O.) M. Sullivan (2 Fire) P. Glennon. (Lds) Karl Althoff. (O.) and Chas. J. Kelly. (Sea) absent without leave. Louis F. Schuman (Capt A.G.) was confined for three days in solitary confinement on bread and water by order of Commanding Officer for insolence to officer of deck. Exercised 1st division at small arms. 2d division at single sticks and 3d division at small arms. Distilling water. Aneroid barometer 30.07. Cross in hawse.

Karl Rohwer
Lieutenant

Meridian to 4 P.M.

Weather cloudy and cool. Light breeze from N.E. Barometer falling. Received on board in Engineers department 390 gallons Oil. Received and fitted cradles for launch. Sent up mizzen fore topsail gaff. Aneroid barometer at end of watch 30.00. Cross in hawse.

C P C P Rs
Lieutenant

4 to 8 P.M.

Weather pleasant though cloudy. Barometer steady. Clouds Cirro-cumulus. Light breeze from N.E. Stopped distilling and banked fires under two starboard after boilers. Mustered crew at quarters and found the same men absent who were absent at morning quarters. At sunset sent down topgallant yards and masts. Aneroid barometer 30.00.

Karl Rohwer
Lieutenant

8 P.M. to Midnight.

Cloudy and cool. Wind blowing in fresh squalls from S^t and E^t. Barometer steady. Clear hawse. Aneroid 30.02

C P C P Rs
Lieutenant

Examined and found to be correct.

W. N. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns;
Montevideo. Uruguay, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		E.S.E.	S.S.E.	4		29.99	60	58	50		o a q	cir cum	0	R	
2	"		S.E.	"	5		29.97	60	54	50		"	"	0	"	
3	"		E.S.E.	"	5		29.94	60	54	50		"	"	0	"	
4	"		S.E.	"	6		29.93	60	53	49		o c q d	"	0	"	
5	"		E.	E.	6		29.93	60	52	50		o c q r	Nimb cum	0	"	
6	"		"	"	5		29.91	60	52	50		"	"	0	"	
7	"		"	"	4		29.90	68	52	50		o c q	"	0	"	
8	"		"	"	3		29.94	70	55	52		o c	Nimb	0	"	
9	"		E.S.E.	"	2		29.94	60	55	52		"	"	0	M	
10	"		"	"	3		29.93	60	53	52		"	"	0	"	
11	"		"	"	3		29.93	60	53	52		"	"	0	S	
Noon.	"		"	"	3		29.93	60	53	52		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 305 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 2795 "
Coal consumed during the preceding 24 hours — tons 18 75 lbs.
Coal remaining on hand at Noon — 92 " 748 "

P. M.												
Moored		S.E.	E.	3	29.92	72	56	54	o c	Nimb	0	S
2	"	N.N.E.	"	3	29.90	70	57	54	"	"	0	"
3	"	S.E.×S.	E.S.E.	3	29.90	68	56	54	"	"	0	"
4	"	"	"	3	29.89	68	56	54	"	"	0	"
5	"	S.×E.	"	3	29.91	64	56	54	"	"	0	"
6	"	S.S.W.	"	3	29.94	64	56	54	"	"	0	"
7	"	"	S.×E.	3	29.96	64	56	53	o c r	"	0	"
8	"	"	"	3	29.98	64	56	55	"	"	0	"
9	"	S.	"	3	30.00	64	56	54	b c	Cir cum	1	M
10	"	"	"	3	30.00	65	55	53	"	"	5	"
11	"	"	"	2	30.01	65	53	52	"	"	4	"
Mid.	"	S.S.W.	"	2	30.01	66	54	52	o c	Cir Nimb	0	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
†Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Thursday, June 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Fresh breeze from E.S.E. with frequent squalls. Sea rough and lumpy. Barometer falling. Aneroid barometer at the close 29.98.

W M Lamin
Master.

4 to 8 A.M.

Weather cloudy with rain in early part of watch. Breeze light to fresh from E. Barometer rising. Clouds cumulus and nimbus. Fires banked under two after starboard boilers. At 7.46 "Marion" made signal. Interrogatory. No 6 of 9. Ans'd with No 9 of 4. At 8.00. sent up topgallant masts and yards.

Karl Kolbe
Lieutenant

8 A.M to Meridian

Weather cloudy and pleasant. Gentle breeze from E^e. Barometer steady. Mustered at quarters at 9.30 and exercised 1st and 3d Divisions at great guns. 2d Division at small arms. Powder and Navigators Divisions at single sticks. By order of Commanding Officer. C. A. Lindsey (1st CB) A. C. Merritt. (CB.) F. A. Smith, (C.) Wm C Pickett. (CB) and H. F. Davis. (Cl. 2d) were given ten days extra duty for shirking while on anchor watch, and E. B. Winslow. (CB.) was given five days for neglect of duty. Eleven of the crew were found absent without leave. Aneroid 29.98.

CRR
C Rees
Lieutenant

Meridian to 4 P.M.

Overcast cloudy and cool. Light breeze from E^e hauling to E.S.E. Clear hawse. Commanding Officer paid an official visit to H.M.S. "Garnett." Received an official call from H.M.S. Garnett U.S. Minister to Uruguay visited the ship. Aneroid barometer at end of watch 29.92.

W M Lamin
Master.

4 to 8 P.M.

Overcast and pleasant. Gentle breeze from S^e and E^e to S^e and W^e. Mustered at quarters at 4.46 and found the same absentees as at morning quarters. At sunset sent down topgallant yards and masts, the "Marion" following our movements. An English gunboat came in and anchored at 5.30. Clear hawse. Aneroid barometer at end of watch. 29.99.

CRR
C Rees
Lieutenant

8 P.M to Midnight

Cloudy and pleasant. Moderate breeze from S by E. Rough sea at first moderating throughout the watch. Aneroid barometer 30.02.

W M Lamin Master

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Montevideo. Uruguay, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		S.W.	S.W.	4		30.03	60	56	53		oc	Cumb	0	M.	
2	"		"	"	"		30.03	60	55	52		"	"	0	"	
3	"		"	"	"		30.03	60	55	52		bc	Cum Cumb	2	"	
4	"		"	"	"		30.03	60	55	54		"	"	2	"	
5	"		S.S.W.	S.S.W.	"		30.03	58	52	48		"	Cum	6	"	
6	"		"	"	"		30.03	58	52	48		"	"	6	"	
7	"		"	"	"		30.03	58	52	48		"	"	4	"	
8	"		S.	"	"		30.05	70	55	49		"	"	6	"	
9	"		"	"	"		30.03	70	53	50		"	"	6	"	
10	"		"	"	"		30.00	70	54	50		"	"	6	"	
11	"		"	"	"		30.02	70	54	50		"	"	6	"	
Noon.	"		"	"	"		30.04	68	54	51		"	"	6	"	

P. M.																
	Moored.		N.S.W.	N.S.W	4		30.05	65	55	51		bc	Cum	5	M	
2	"		"	"	4		30.05	65	53	51		"	"	5	"	
3	"		N x S.	"	4		30.03	70	52	49		"	"	3	"	
4	"		N.S.W	"	5		30.03	72	52	49		"	"	1	"	
5	"		"	"	5		30.04	72	52	48		"	"	1	"	
6	"		W.	"	5		30.05	72	52	48		"	"	1	"	
7	"		"	"	4		30.06	74	50	47		"	"	4	"	
8	"		"	"	4		30.07	76	49	47		"	Cir Cumb	7	"	
9	"		S.W.	"	4		30.07	72	49	47		"	"	8	"	
10	"		S	"	4		30.04	68	50	48		"	"	9	"	
11	"		E	"	4		30.02	62	50	48		"	"	8	"	
Mid.	"		"	"	5		29.98	62	54	50		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time · knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2475 "

Coal consumed during the preceding 24 hours tons 1610 lbs.

Coal remaining on hand at Noon 91 " 1378 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. June 2d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. cool, Moderate breze from S.W. Obscured moonlight. Clear hazy. Aneroid 30.00.

Winninghe-Kellogg
Lieutenant

4 to 8 A.M.

Partly cloudy and cool. Fresh breze from S.S.W. Barometer steady. At 7.40 "Marion" made interrogatory signal 6.09. Answered 9.04. At 8 sent up topgallant masts and topgallant yards. Aneroid at end of watch 30.07

N.A.P.C.
Lieutenant

8 A.M to Meridian.

Cool and pleasant. Moderate breze from S.S.W. Went to quarters at 9.30 and exercised the crew. Geo H. Jordan. Lds, absent without leave, also the same men absent yesterday. H.B.M. gunboat "Rifleman" came in and anchored. sent an officir to board her, also H.B.M. gunboat "Firefly" with a tender of the usual courtesies. Received an officials visit from the Italian gunboat "Scilla". Shipped Wm Spellman, as ordinary seaman for three years for general service. Sent an officir to the US Consuls for the mail. Geo H. Jordan. Lds. returned at 11.20, 4½ hours overtime. Aneroid barometer 30.08.

W. M. Irwin
Master.

Meridian to 4 P.M.

Weather cloudy and cold, Stiff breze from W.S.W. Enlisted for three (3) years. general service as Landsman, John Kenny. Ship rolling easily to swell from W., Royal Mail steamer left. Aneroid at end of watch 30.02

Winninghe-Kellogg
Lieutenant

4 to 8 P.M.

Cloudy and cool. Fresh breze from W.S.W. moderating latter part. At 4.30 "Marion" made signal. (Int.) 6.08. Answered 9.04 At sunset sent down topgallant masts and yards. the "Marion" doing the same. Aneroid barometer 30.05.

W. M. Irwin
Master

8 P.M to Midnight.

Clear and cool. Moderate to stiff breze from W.S.W. Bright moonlight. Grass in hawse at end of watch. Aneroid barometer 30.06.

Winninghe-Kellogg
Lieutenant

Examined and found to be correct.

W. W. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Montevideo. Uruguay. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		E.S.E.	N.W.	1		29.98	61	51	49		bc	cir	0	S.	
2	"		S.W.	"	1		29.98	60	50	48		"	"	8	"	
3	"		W.N.W.	"	1		29.97	60	49	48		"	strat	9	"	
4	"		"	"	1		29.96	60	49	47		"	"	9	"	
5	"		W.S.W.	W.S.W.	4-5		29.97	59	50	48		oc q	cir cumb	0	W.	
6	"		"	"	4-6		29.99	57	52	50		"	"	0	"	
7	"		S.W.	S.W.	4-6		30.01	57	53	50		"	cumb	0	"	
8	"		S.S.W.	S.W.xS.	3-5		30.06	58	53	49		"	"	0	"	
9	"		S.W.	"	5		30.12	72	52	49		"	"	0	"	
10	"		"	W.	4		30.13	72	53	49		"	"	0	"	
11	"		"	"	3		30.13	72	53	50		bc	"	1	"	
Noon.	"		"	"	4		30.12	72	54	49		"	"	1	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	310	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2165	"	
Coal consumed during the preceding 24 hours	tons 1665	lbs.	
Coal remaining on hand at Noon	90 "	1953 "	

P. M.														
Moored		W.S.W.	W.S.W.	5	30.11	70	53	49	bc	cir cumb	1	W.		
2	"	W.	W.	5	30.12	70	53	47	"	cir cumu	1	"		
3	"	"	"	5	30.12	70	53	48	"	"	1	"		
4	"	"	"	4	30.12	70	53	48	"	"	1	"		
5	"	"	"	4	30.12	70	53	49	"	"	1	"		
6	"	"	"	4	30.14	71	52	48	"	"	4	"		
7	"	W.S.W.	"	4	30.15	70	52	49	"	"	5	"		
8	"	"	"	4	30.16	68	52	48	"	"	2	"		
9	"	S.W.	W.S.W.	4	30.17	69	52	48	"	"	2	"		
10	"	"	"	4	30.17	69	52	48	oeq	cir	0	"		
11	"	"	"	4	30.17	69	52	48	"	"	0	"		
Mid.	"	"	"	4	30.15	69	52	48	"	"	0	"		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. June 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light breeze from N.W. Bright moonlight, Barometer falling slightly. Banked fires in port forward pair of boilers. Aneroid barometer 30.00.

(Signed.) Karl Rohrer.
Lieutenant.

4 to 8 A.M.

Cloudy and threatening. Wind fresh and squally from W.S.W. veering to S.S.W. and moderating. Barometer rising. Aneroid barometer at end of watch 30.04.

(Signed) W. M. Irwin.
Master.

8 A.M. to Meridian.

Cloudy. Clearing weather last two hours of watch. Stiff breeze changing from S.E. to W. and blowing in puffs. At 9.30 mustered at quarters. the following men were found absent without leave, Pat.k Glennon, Lds. Karl Olthoff Os. and Chas. J. Kelly, Sea. Received an official visit from the Commanding Officer of H.B.M.S. Rifleman. Commanding Officer paid an official visit to H.B.M.S. "Firefly". Clear hawse at end of watch. Louis F. Schuman C.A.G. was released from confinement. Aneroid 30.08.

(Signed) Wainwright Kellogg.
Lieutenant

Meridian to 4 P.M.

Weather pleasant. Fresh breeze from W.S.W. Barometer steady. Clouds cirro-cumulus, cirrus and nimbus. Fires banked under two forward port boilers. Aneroid barometer 30.10. Rec.d on board for crew 112½ lbs of fresh beef 90 lbs of vegetables and 90 lbs of bread.

(Signed) Karl Rohrer.
Lieutenant

4 to 8 P.M.

Clear, cool. Moderate breze blowing in puffs from W.d. At 4.50 "Marion" made signal, Sub. 6144. Ans. 9044. Clear hawse at end of watch. Aneroid 30.14.

(Signed) Wainwright Kellogg
Lieutenant

8 P.M. to Midnight.

Weather cloudy but not unpleasant, Moderate breze from W.S.W. Barometer steady. Fires banked under two forward port boilers. Aneroid 30.15.

(Signed) Karl Rohrer.
Lieutenant

Moon's mid Examined and found to be correct.
Dec 19° 22' 8
Phase, Full moon.

(Signed) A. H. Parker.
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Montevideo, Uruguay. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		N.E. & S.	W.S.W.	3		30.13	60	52	48		bc	Cirrus	1	Mo.	
2	"		"	"	3		30.13	60	53	48		oc	"	0	"	
3	"		"	"	2		30.13	60	49	46		"	"	0	"	
4	"		S.W.S.	W.	1		30.13	60	49	47		"	"	0	"	
5	"		"	"	1		30.14	60	50	48		"	"	0	"	
6	"		"	"	1		30.15	60	50	48		"	"	0	"	
7	"		S.W.	N.	1		30.15	68	51	48		"	"	0	"	
8	"		"	"	1		30.15	68	52	50		bc	"	1	"	
9	"		"	N.W.	3		30.15	69	48	46		"	"	5	"	
10	"		W.	"	3		30.15	70	50	48		oc	Cirrus	0	"	
11	"		W.S.W.	"	3		30.15	70	52	49		"	"	0	"	
Noon.	"		S.W.	"	4		30.14	70	53	48		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊙	°	' "
Longitude by Chronometer from Forenoon Observations ⊙	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ⊙ observed at	°	' "
Water expended during the preceding 24 hours	305	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1860	"
Coal consumed during the preceding 24 hours	tons 1560	lbs.
Coal remaining on hand at Noon	90 " 393	"

P. M.															
1	Moored	N.W.	N.W.	4-5	30.14	65	54	50		oc g	Cirrus	0	M.	
2	"	"	"	3-5	30.14	65	54	50		"	"	0	"	
3	"	"	"	2-4	30.14	65	54	50		"	"	0	"	
4	"	"	"	2-3	30.13	70	54	50		"	"	0	"	
5	"	"	"	2	30.14	70	52	49		bc	"	1	"	
6	"	"	"	2	30.16	70	52	48		"	"	1	"	
7	"	N.W.& W.	"	2	30.17	70	52	48		oc	"	0	"	
8	"	"	"	2	30.17	70	52	48		"	"	0	"	
9	"	S.W.	Calm	0	30.17	65	53	50		"	"	0	"	
10	"	S	W.S.W.	1	30.17	65	53	50		"	"	0	"	
11	"	S.& E.	"	1	30.17	65	53	50		bc	"	1	"	
Mid.	"	S	"	2	30.17	65	53	50		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander A. K. McCormick, U. S. Navy,

Sunday June 4. , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Gentle breeze from W.S.W. Barometer steady. Clear hawse. Aneroid 30.13.

C P Rees
Lieutenant

4 to 8. A.M.

Clear and pleasant. Cloudy. Light variable airs, Clear hawse at end of watch. Aneroid 30.12. At 8. Dressed ship at request of Italian Commanding Officer.

Wainwright-Kellogg
Lieutenant

8 A.M. to Meridian.

Weather cloudy. Gentle to moderate breeze from N.W. Barometer steady. Clouds cirrus, nimbus and cirro-cumulus. Cross in hawse. At 9.30 called all hands to muster and read the laws and regulations for the government of the navy. The following men were absent from the ship without leave; K. Althoff (O.S.) Patrick Glennon (Lds') C. Kelly (Sea) John Lee (Lds') John A. Coban (1 C.B.) H. McCaffrey (C.H.) and J. Flaherty (1 Fire.) The following men are absent without leave and are declared deserters from this day: Lars F. Frelin (O.S.) K. Jakobson (Lds.) Wm Craig (Fireman.) John Feeney (O.S.) Thos J. Rodgers (Carp.) Wm F. Stewart (Sea) J. J. Mulchay (O.S.) and Michael Sullivan (2 F.) Fires banked under two forward port boilers. Received on board fresh provisions for Crew.

Karl Rohrer
Lieutenant.

Meridian to 4 P.M.

Overcast and squally. Wind from N.W. Barometer steady. Sent visiting party to the "Marion". The Commanding Officer of H.M.S. "Garnet" paid an official visit to the ship. An officer representing the Captain of the Port came on board and requested that the colors of our vessels be halfmasted to morrow in token of respect to the memory of Garabaldi. Aneroid barometer at end of watch 30.11

C P Rees
Lieutenant

4 to 8 P.M.

Weather cloudy but not unpleasant. Barometer rising. Clouds cirro-cumulus. Got up clothes lines and hammock girt lines. Started the distiller for scrubbing hammocks and clothes and distilled water for about an hour. At 4 P.M. went to quarters and served out clean hammocks. The same men absent as at morning quarters excepting John Lee (Lds) and John A. Coban (1 C.B.) Aneroid barometer 30.16. Fires banked under two forward port boilers.

Karl Rohrer
Lieutenant

8 P.M. to Midnight.

Cloudy and cool. Light winds from N.W. Barometer steady, Aneroid at end of watch 30.11. Elbow in the hawse.

C P Rees
Lieutenant

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Montevideo, Uruguay, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		N.N.W.	N.	2		30.17	64	53	49		bc	air	8	S.	
2	"		"	"	2		30.16	61	53	49		"	"	8	"	
3	"		"	"	2		30.15	61	53	49		"	"	6	M	
4	"		N.	"	2		30.15	59	53	49		"	"	6	"	
5	"		"	N.N.	2		30.15	60	53	49		"	"	11	L	
6	"		"	"	1		30.16	65	53	49		"	,	2	"	
7	"		"	"	1		30.18	70	51	49		"	"	1	"	
8	"		N.N.	N.N.W.	1		30.20	70	50	48		"	circum	6	S	
9	"		S.E.	N.W.	1		30.18	70	52	49		bcq	"	9	"	
10	"		"	"	1		30.18	65	53	50		"	"	9	"	
11	"		"	"	1		30.17	68	55	51		"	"	8	"	
Noon.	"		"	"	1		30.16	65	68	51		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1550 "

Coal consumed during the preceding 24 hours tons 2085 lbs.

Coal remaining on hand at Noon 89 " 548 "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	Moored		E.S.E.	N.E.	1		30.09	62	57	51		oc	circum	0	S	
2	"		S.E.	"	1		30.08	62	57	51		bc	"	1	"	
3	"		E.×S.	"	1		30.07	70	56	50		"	"	1	"	
4	"		N.E.×N.	"	1		30.11	74	56	50		oc	Cir. mist	0	"	
5	"		N.W.	Calm	0		30.09	70	55	50		"	"	0	"	
6	"		"	"	0		30.09	70	55	50		"	"	0	"	
7	"		N.E.	"	0		30.08	65	53	49		ocm	"	0	"	
8	"		"	N.N.E.	1		30.07	65	53	49		"	"	0	"	
9	"		E.N.E.	"	2		30.02	64	52	47		"	"	0	"	
10	"		E.S.E.	"	1		30.05	68	52	47		"	"	0	"	
11	"		"	N.×N.	0-1		30.01	68	53	48		oc	Mist	0	"	
Mid.	"		"	"	1		30.03	60	53	49		ocr	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. W. McCormick, U. S. Navy,

Monday, June 5th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear and pleasant. Bright moonlight and starlight. Light breze from N.E., Aneroid barometer 30.16.

W.M. Smith
Master

4 to 8 A.M.

Weather clear and pleasant, Barometer rising. Clouds cirrus and cirro-cumulus. Light breze from N.N.E to N.N.W. Distilled water for one hour and one half for use of crew to scrub clothes and hammocks. At 8 set the colors at half mast by request of Uruguayan government as a token of respect to the deceased General Garibaldi. Loosed sail at 8. Aneroid barometer 30.10.

Karl Rohde,
Lieutenant

8 A.M to Meridian

Bright and pleasant weather. Light airs from N.E and E., Barometer nearly steady. Mustered at quarters at 9.30. Called away all boats, armed and equipped and exercised at fleet evolutions. under oars. The "Marion" made interrogatory signal 5455. Answered 904. Cleared hawse. The fort on the mount firing half hour guns in token of respect to Garibaldi. The Commanding Officer of H.B.M. "Firefly" paid an official visit to the ship. By order of Commanding Officer Antonio Cambra. (Stge Cook.) was placed in solitary confinement on bread and water for two days for using profane and abusive language to steerage steward. An officer from the Italian man of war came on board and returned the thanks of the Commanding Officers for our courtesy in dressing ship. Aneroid at end of watch 30.11.

C.P. Plum
Lieutenant

Meridian to 4 P.M.

Cloudy and pleasant. Light breze from N.E. Barometer steady Commanding Officer paid an official visit to the British gunboat "Rifleman". Broke out main tacks and sheets and topsail braces from hold. Received on board in Pay Department 9 boxes of soap. Aneroid barometer 30.06. Furled sail at 1. Clear hawse

W.M. Smith
Master

4 to 8 P.M.

Overcast and misty, Calm. Barometer steady. Aneroid at end of watch 30.03. Crossed in hawse.

C.P. Plum
Lieutenant

8 P.M to Midnight.

Overcast cloudy and misty first three hours. raining last hour. Light breze from N.N.E. veering to N.W. & N. Barometer falling, then rising again. Aneroid barometer 30.03. Clear hawse.

W.M. Smith
Master

Moon
Dec. S. Mid. 12° 37' 46" S.
Phase. Full.

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 20 Guns,
Montevideo. Uruguay S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		E.S.E.	N.	2		30.08	60	53	49		oct	Nimb	0	S	
2	"		E.	"	1		29.98	60	53	49		"	"	0	"	
3	"		N.E.	"	1		29.94	61	53	49		"	"	0	"	
4	"		N.	"	1		29.92	60	52	49		"	"	0	"	
5	"		"	N.E.	2		29.87	60	51	47		"	"	0	"	
6	"		"	"	2		29.81	57	51	47		oc	"	0	"	
7	"		"	"	2		29.81	60	47	45		"	"	0	"	
8	"		N. × W.	"	2		29.81	60	47	45		"	"	0	"	
9	"		"	"	2		29.81	62	48	47		"	"	0	"	
10	"		S.W.	S.W.	3		29.80	63	49	47		bc	Ci cum	3	"	
11	"		"	"	4		29.80	65	50	48		"	"	5	W	
Noon.	"		"	"	6		29.79	65	52	50		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1240 "

Coal consumed during the preceding 24 hours tons 1770 lbs.

Coal remaining on hand at Noon 88 " 1018. "

P. M.													
1	Moored	S.W.	W.S.W.	5	29.77	62	52	50	bcq	Ci Cumu	6	W	
2	"	W.S.W.	"	5	29.77	64	51	47	"	"	8	"	
3	"	"	"	5	29.77	65	51	47	"	"	6	"	
4	"	"	"	6	29.77	65	50	47	"	"	5	"	
5	"	"	"	4	29.79	66	50	47	"	"	3	"	
6	"	"	"	6-7	29.79	68	48	46	ocq	Ci Nimb	0	"	
7	"	"	"	6-7	29.78	67	49	46	"	"	0	"	
8	"	"	"	6-7	29.78	65	49	46	bcq	Cumu Nimb	4	"	
9	"	"	"	6-7	29.77	66	48	45	"	"	4	"	
10	"	"	"	6-8	29.77	60	48	45	"	"	5	A	
11	"	"	S.W. × W.	6-8	29.75	60	48	44	ocqr	"	0	"	
Mid.	"	"	"	6-8	29.75	58	48	44	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by \ at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday June 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Light airs from Wd Overcast. Raining
Cross in hawse, end of watch. Aneroid 29.94.

Wainwright-Keeney
Lieutenant

4 to 8 A.M.

Rain during first hour of watch. Overcast and cool throughout
Light breze from N.E. Barometer steady. Aneroid at end of watch 29.98.
Cross in the hawse,

C.R.R. Pike
Lieutenant

8 AM. to Meridian.

Overcast and cloudy with drizzling rain first two hours
slightly clearing at the close. Light breze from N.E. owing to Wd and
freshening. At 9.30 went to quarters and mustered the crew: the follow-
ing named men were absent over their time Jas Kelly, 2d Mr J. Lynch,
(Qr Gr.) H. Cader, C. Hale, Peter Cannon, Sea, Wm Stevenson, 2 Fire, L. Deistel
(C.T.) Chas Carroll (Qr Mr.) and Joseph P. King (Sea) returned on board
2 hours overtime. Rove off new fore and main topsail sheets, using
main tacks and sheets for the purpose. Clear hawse. Aneroid Bar. 29.81

W. M. Imm
Master

Meridian to 4 P.M.

Cloudy and cool, the breze stiff from N.E. by N. The crew at
work reeving off new topsail and lower braces. Received an official
visit from a Portuguese Officer with thanks to the Commanding
Officer for half-masting colors yesterday. Clear hawse. Aneroid
at end of watch 29.80.

Wainwright-Keeney
Lieutenant

4 to 8 P.M.

Cloudy and rainy with indications of continued bad
weather. Stiff breze from N.E. by N. At 5.45 it came on in a very heavy
squall from same direction. Sent down topgallant masts and yards.
Got in Starboard accommodation ladder. Braced yards sharp up
by starboard braces and put over drift lead. At 6.10 veered to 60 fms
on starboard chain at waters edge and to 60 fms on port chain be-
tween decks. Pointed up shot chain. Barometer steady. Aneroid
barometer at close of watch 29.82. While the 1st Whale boat was at the the landing
this evening Jno McGowen Sea and Danl McKinnon Sea left the boat without permission and did
not return. Went to quarters at 7.45 the same men were absent.

W. M. Imm Master

8 PM. to Midnight

Cloudy. Occasional light showers of rain. Blowing a
moderate gale from N.E. by N. to E.N.E. by N. at commencement of watch
which gradually freshened to a strong gale at end. Occasional
strong squalls. Moderate sea. Ship riding with equal strain
on both chains. Clear hawse. Aneroid steady at 29.80.

Wainwright-Keeney
Lieutenant

Moon. Examined and found to be correct.
Dec. S Mid. 8° 5' 50" S
Phase, Full.

W. N. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Montevideo. Uruguay. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		N.E.N.	S.W.×W.	6-8		29.70	68	45	44		ocgr	Cu-Strat	10	A.	
2	"		"	"	8-9		29.68	66	46	44		"	"	"	"	
3	"		S.W.×W.	"	9-10		29.71	63	46	44		"	"	"	"	
4	"		S.W.	S.W.	9-11		29.75	66	46	44		"	"	"	"	
5	"		W.S.W.	W.S.W.	9-10		29.75	65	48	46		"	"	"	"	
6	"		"	"	9-10		29.87	60	49	47		"	"	"	"	
7	"		"	"	8-10		29.93	62	49	47		ocg	"	"	"	
8	"		S.W.	"	8-10		29.95	63	50	47		bcg	"	1	"	
9	"		S.W.×S.	S.W.	8-10		30.03	65	50	47		"	"	2	"	
10	"		"	"	8-9		30.06	65	49	46		"	"	6	"	
11	"		S.S.W.	"	7-9		30.07	66	49	46		"	"	3	"	
Noon.	"		S.W.×S	S.S.W.	6-8		30.09	67	50	47		"	"	2	"	

P. M.																
1	Moored		S.W.	S.W.	6-8		30.10	68	50	46		bcg	Cum-nimb	2	A	
2	"		"	"	6-8		30.12	68	50	46		"	"	1	"	
3	"		S.W.×W.	"	5-7		30.14	69	50	46		"	"	3	"	
4	"		W.S.W.	W.S.W.	5-6		30.15	69	50	46		"	"	1	"	
5	"		S.W.	"	5-6		30.19	68	50	45		ocgr	"	0	"	
6	"		S.S.W.	"	5-6		30.20	67	50	45		bcg	"	8	"	
7	"		"	"	5-6		30.21	66	49	45		"	"	8	"	
8	"		"	"	4-5		30.21	66	49	45		"	"	8	"	
9	"		"	"	4-5		30.24	65	48	44		"	Cum	9	"	
10	"		W.S.W.	"	6		30.26	64	47	44		"	Cum-nimb	4	"	
11	"		S.W.	S.W.	6		30.27	63	47	44		ocg	Nimb	0	"	
Mid.	"		S×E	S	4-5		30.27	60	46	44		"	"	0	M.	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time ____ knots ____ fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water ____ during the preceding 24 hours "

Water remaining on hand fit for use at Noon 930. "

Coal consumed during the preceding 24 hours 2 tons 1440 lbs.

Coal remaining on hand at Noon 86 " 578 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude ____ observed at Sunset ° ' "

Variation of the Compass by ____ at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Wednesday, June 7th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast, cloudy, squally and rainy Blowing a gale of wind from S.W. to S.W.x W. Barometer fell in first part of watch and commenced rising in latter part. Clouds cumulus and nimbus. Rough sea running. Ship rolling and pitching easily. Commenced securing battery and boats for sea. Fires banked under two forward port boilers. About 0.15 the Catamaran was observed floating astern having been blown or washed out of its tackle under the port cathead. U.S.S. Garnet appeared to drag, and at end of watch bore about two points forward the port beam.

Karl Rohrer, Lieutenant

4 to 8 A.M. Blowing a strong gale from W.S.W. with frequent squalls, slightly moderating latter part. Very heavy sea running and ship rolling and pitching deeply. Barometer rising very rapidly with favorable indications at the close. Secured all boats and guns for sea. Aneroid barometer at close 29.99. Started fires under six boilers at 4.10.

W. N. Irwin, Master.

8 A.M. to Meridian. Clear cool. Strong gale from S.W. gradually moderating to moderate gale at end of watch. Rough sea. At 9.30 mustered at quarters, the following named men were found absent without leave, viz: Henry McCaffrey (O.S.) John Flaherty (Fireman) G. H. Comer (O.S.) James Kelly (O.S.) John Lynch (Qr. Gr.) Harry Palmer (Corporal) Wm. Stevenson (Cook) Peter Cannon (Seaman) Louis Deistel (C.S.) H. Cader (O.S.) Chas. Carter (Cox.) John McGowen (Seaman) Dan'l McKinnon (Seaman) Ship rolling quite heavily at times. Aneroid rising slowly. 30.09 at end of watch. Clear harbor. Banked fires.

Wainwright-Kellogg, Lieutenant

Meridian to 4 P.M. Weather cloudy and squally though on the whole quite pleasant. Breeze stiff and squally from W.S.W. to S.W. Barometer rising. Clouds cumulus and nimbus. A number of vessels in the harbor signalling for their Captains to come on board, and one signalled that she leaked and needed immediate assistance. The port authorities responded to the various calls. An English mail steamer got underway and went to sea. A German steamer shifted her berth. Fires banked under six boilers, Aneroid barometer 30.11.

Karl Rohrer, Lieutenant

4 to 8 P.M. Raining first two hours, clear remainder of watch. Moderate sea, Fresh breeze from W.S.W. At 4.40 mustered at quarters. Clear harbor, Aneroid 30.20.

Wainwright-Kellogg, Lieutenant

8 P.M. to Midnight. Weather generally pleasant. Barometer rising. Fresh breeze from W.S.W. to S. Fires banked under six boilers. Aneroid barometer 30.26.

KR

Karl Rohrer, Lieutenant

Moon,
Dec. & Mid. 3° 7' 41" S
Phase, Full.

Examined and found to be correct.

W. T. Parker, Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Montevideo. Uruguay. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Moored		S.S.W.	S.S.W.	3-7		30.27	59	46	45		ocgp	Nimb	0	R.	
2	"		"	"	4-7		30.27	58	47	45		bcgp.	"	4	"	
3	"		"	"	6		30.28	57	46	44		"	"	4	"	
4	"		"	"	8		30.29	63	46	44		"	"	6	"	
5	"		S.W.	"	8		30.30	57	46	44		"	"	4	"	
6	"		"	"	7		30.31	58	46	44		bcg	"	4	"	
7	"		"	"	6		30.34	59	47	45		"	"	3	"	
8	"		S.W.×S.	"	5		30.39	62	50	46		"	"	4	"	
9	"		S.S.W.	"	5		30.41	62	48	43		"	Cum Nimb	4	"	
10	"		"	"	5		30.44	62	48	43		"	Ci Cum	5	M.	
11	"		"	"	5		30.44	64	48	43		bc	"	4	"	
Noon.	"		"	"	5		30.44	67	48	43		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 305 gallons.

Water distilled during the preceding 24 hours — 1600 "

Water remaining on hand fit for use at Noon — 2225 "

Coal consumed during the preceding 24 hours — 2 tons 1070 lbs.

Coal remaining on hand at Noon — 83 " 1748 "

P. M.																
	Moored		S.S.W.	S.S.W.	5		30.45	65	48	44		bo	Cum	8	S.	
2	"		"	"	4		30.46	65	48	44		"	"	8	"	
3	"		"	"	4		30.46	65	47	44		"	"	7	"	
4	Weighed Anchor		W.½N.	S.W.	4		30.47	66	47	43		"	"	5	"	
5	"		S.S.W	"	4		30.47	65	47	42		"	"	5	"	
6	"		S.W.	"	2		30.49	70	48	42		"	"	5	"	
7	"		W.S.W.	"	2		30.51	70	50	44		"	"	5	"	
8	"		"	S.W.×W.	2		30.52	70	48	42		"	"	5	"	
9	"		"	"	2		30.52	68	48	42		"	"	9	"	
10	"		"	Calm	0		30.52	68	50	42		"	"	9	"	
11	"		"	"	0		30.52	65	50	42		"	"	9	"	
Mid.	"		"	"	0		30.52	65	50	42		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, June 8th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Moderate gale with occasional heavy squalls from S° and W°. Moderate sea. Aneroid barometer 30.30.

W. H. T. Parker
Lieutenant

4 to 8 A.M.

Clear and cool. Fresh breeze from S.S.W. Moderate sea. Clear hawse Aneroid barometer 30.35 at end of watch.

W. Cunningham-Keddy
Lieutenant

8 to Meridian

Weather clear and pleasant though cool. Fresh breeze from S.S.W. Barometer steady at 30.44. Clouds cumulus and nimbus and cirro-cumulus. At 9.30 mustered and inspected the crew at quarters. Patrick Glennon (Lds.) Karl Althoff (S) declared deserters from the 5th inst and C. J. Kelly (Sea) from the 7th inst. The following named were absent from ship without permission: H. McCaffrey (C.H.) John Flaherty (1st Fire) Geo. H. Conner (Pt M.) Jas. Kelly (Pr Mr.) John Lynch (Pr Gr.) Harry Palmer (Corp M.) Wm Stevenson (1st Fire) Peter Shannon (Sea) Louis Deistel (C.T.) Henry Nader (C.M.) Chas Carter (Sea) John McGowen (Sea) and Danl McKinnon (Sea) the last three men confined in double irons by order of Commanding Officer, to await investigation as to their having attempted to desert from one of the ship's boats while ashore in her on duty. H.B.M.S. "Garnet" shifted her berth. Fires banked under six boilers. Distilling water.

Wm Kohler
Lieutenant

Meridian to 4 P.M.

Partly cloudy and cool. Fresh breeze from S° and W° Barom. high and rising. Enlisted for 3 years General service. Wm Toole as O.S. & T. Spread fires at 1.30. Called all hands unmoor ship at 2.15. Hove up port anchor and then starboard one. Let go starboard anchor at 3.50 in 3½ fms of water and veered to 45 fms chain at the hawse pipe. Aneroid barometer 30.42. Bearings from anchorage. Ferro Light N.W. ½ W. Cathedral S.E. ½ E. Ship's head S.E.

E. D. Kelly
Lieutenant

4 to 8 P.M.

Weather clear and pleasant. Barometer rising. Cumulus clouds. Light to moderate breeze from S.W. to S.W. by W. Fires banked under six boilers. Veered to 65 fms on starboard chain. Commenced distilling water at 6.30. At 4.45 mustered crew at quarters and at 5 sent up topgal masts. Made preparations for coaling ship. Aneroid bar. 30.44

Wm Kohler
Lieutenant

8 P.M. to Midnight

Clear and pleasant. Calm. Barometer steady. Distilling Aneroid at end of watch 30.48.

E. D. Kelly
Lieutenant

Moon
Dec. 8 Midnight 1° 09' 58" N.
Phase Last Quarter

Examined and found to be correct.

W. H. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Montevideo. Uruguay. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		S.S.E.	S.S.W.	1		30.58	61	48	42		bc	cirs	9	8	
2	"		"	"	1		30.58	61	48	42		"	"	9	"	
3	"		S.S.E.	N.W.	1		30.53	60	48	44		"	"	9	"	
4	"		S.E.	"	1		30.58	60	47	43		"	"	6	"	
5	"		S.S.E.	N.	1		30.53	60	47	43		"	Cir Cum	5	"	
6	"		S.W.	"	1		30.52	60	46	43		"	"	8	"	
7	"		N.W. by W	"	1		30.56	60	45	42		"	Cum Str	9	"	
8	"		"	"	1		30.56	57	46	44		"	"	9	"	
9	"		W.N.W.	"	1		30.61	57	46	44		"	"	9	"	
10	"		"	"	1		30.61	57	46	44		"	"	9	"	
11	"		"	"	1		30.61	57	48	45		"	"	9	"	
Noon.	"		"	Calm	0		30.60	57	50	45		"	"	9	"	

P. M.																
1	Anchored		S.S.E	S.E	1		30.59	60	51	46		bc	Cir Str	8	8	
2	"		"	"	1		30.57	70	51	46		"	"	9	"	
3	"		"	"	2		30.57	70	50	45		"	Cir Cum	7	"	
4	"		"	"	2		30.57	69	50	46		"	"	9	"	
5	"		"	"	1		30.57	69	50	46		"	"	9	"	
6	"		"	"	2		30.67	69	48	44		"	"	8	"	
7	"		E by S	"	1		30.58	67	48	44		"	"	7	"	
8	"		"	"	1		30.60	68	48	45		b		10	"	
9	"		SE by S.	"	2		30.59	66	50	46		bc	Cir	9	"	
10	"		NE	NE.	2		30.56	62	48	45		"	"	9	"	
11	"		"	"	2		30.56	60	48	45		b		10	"	
Mid.	"		"	"	3		30.66	59	48	40		"		10	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	315	gallons.
Water distilled during the preceding 24 hours	1090	"
Water remaining on hand fit for use at Noon	3000	"
Coal consumed during the preceding 24 hours	2 tons 1385	lbs.
Coal remaining on hand at Noon	81 " 363	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. K. McCormick, U. S. Navy,

Friday, June 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear and cool. Bright moonlight and starlight. Light airs from S. S. W. shifting to N. W. Distilling. Aneroid barometer 30.48.

W. M. Smyth
Master

4 to 8 A.M.

Weather clear and pleasant. Barometer high and steady. Clouds Cirro-cumulus and Cumulo-stratus. Light airs from N. Distilling water. An American barque got underway and stood out. Loosed sail at 7.30. Two coal lighters came alongside. Aneroid barometer 30.50.

R. R. Hall Rohrer,
Lieutenant

8 A.M. to Meridian

Clear and pleasant. Light airs from N. Barometer high and steady. At work coaling ship. At 9.00 the "Marion" made signal interrogatory. 5456. Answered 904. Aneroid at end of watch 30.51.

A. C. Rhees
Lieutenant

Meridian to 4 P.M.

Pleasant weather. Light S. Ely breeze. Finished coaling ship having taken in 668 2240 tons. Unbent foresail, foretopsail and mainsail. Received on board two cords of wood. Aneroid bar 30.57.

W. M. Smyth
Master

4 to 8 P.M.

Clear and pleasant. Light airs from S. E. and calms. Bent foresail, foretopsail and light sails. Made preparations for sea. Aneroid barometer at end of watch 30.52.*

A. C. Rhees
Lieutenant

8 P.M. to Midnight.

Clear and pleasant. Bright starlight. Light breeze veering from S. E. to N. E. Aneroid barometer 30.56.

W. M. Smyth
Master

* 4 to 8 P.M.

By order of Commanding Officer rewards of $10.00 each were offered for the apprehension and delivery on board of the following named persons: viz: M. J. A. Bernhardt (Carp.) Mich. McQuade (S. F.) John Thompson (Sea) Harvey Lake (Pat. M.) Henry Cader (C. K.) Peter Carson (Sea) Louis Deistel (C. J.) John Flaherty (Fire) James Kelly (Mr. B. McCaffrey (C. K.) John Lynch (Co. Gr.) Wm. Stevenson (Fire) L. Palmer (Consul Marines) Geo. H. Corder (Pat. M.) and John McGowen (Sea)

A. C. Rhees
Lieutenant

Moon
Dec. 1 Mid. 7° 00' 09" N.
Phase. Last Quarter

Examined and found to be correct.

W. H. Lackey
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3° Rate, 6 Guns,
Montevideo. Uruguay. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		N.E.	N.E	1		30.56	60	50	47		bc	cis	8	S.	
2	"		"	"	1		30.56	60	48	45		"	"	9	"	
3	"		E.	"	1		30.57	59	47	45		"	"	9	"	
4	"		"	"	1		30.57	57	47	44		"	"	7	"	
5	"		"	Calm	0		30.54	56	47	44		"	"	7	"	
6	"		"	"	0		30.54	55	47	44		"	"	9	"	
7	"		S.E × E.	N.E.	1		30.57	60	47	45		"	"	8	"	
8	"		"	"	1		30.56	65	49	46		"	"	9	"	
9	"		S.E.	S.E.	2		30.60	65	50	49		"	"	9	"	
10	"		"	"	3		30.61	65	52	49		"	Cir Cum	5	"	
11	Underway			"	3		30.60	61	53	51		"	"	6	"	Steam.
Noon.	"		E ¾ N.	"	3		30.57	62	54	51	52	"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2700	"
Coal consumed during the preceding 24 hours	5 tons 810	lbs.
Coal remaining on hand at Noon	136 " 721	"

P. M.															
1	Underway		E ½ N.	E	3	30.56	64	54	50	52	bc	cir cum	5	S	Steam.
2	5	5	E ¾ N.	"	3	30.55	62	53	50	52	"	"	1	"	
3	6	6	"	"	3	30.54	63	53	51	52	oc	"	0	"	
4	7	0	"	"	3	30.55	64	53	51	52	bc	"	3	"	
5	7	5	"	"	3	30.59	64	54	52	52	oc	"	0	"	
6	7	5	E.	"	3	30.57	64	54	52	52	"	"	0	"	
7	7	2	E.S.E	"	3	30.58	65	54	52	52	bc	"	3	"	
8	7	4	S.E.	"	3	30.60	67	56	52	52	"	"	2	"	
9	5	8	"	"	3	30.59	64	54	50	52	"	"	5	"	Jib. F. Topmast Stay'l. F
10	5	0	"	"	3	30.58	62	53	53	52	"	"	8	"	Trysail. Spanker.
11	5	4	"	"	3	30.58	61	55	52	51	"	Cir	8	"	Lookin for Aft sails
Mid.	5	2	"	"	4	30.58	61	55	53	52	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. W. McCormick, U. S. Navy,

Saturday. June 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and cool. Pleasant. Light airs from N.E. Aneroid 30.50. Wainwright-Keeper of Log Lieutenant

4 to 8 A.M. Clear and pleasant. Light airs from N° and E°. Stowed sheet anchor. Bent flying jib. Crossed t'gallant and royal yards. Rove off cat and fish and made preparations for getting underway. Aneroid at end of watch 30.52 C. F. Pond Lieutenant

8 A.M to Meridian. Delightful weather. Light breeze from S.E. Smooth sea. At 9.10. called all hands and hove in to 40 fathoms. At 9.30 a steam tug came alongside and brought our catamaran. At 9.40 called all hands up anchor. Hove up and stowed starboard anchor. At 10m started ahead one bell out of the harbor under direction of the Captain. At 10.14 rung four bells. Sighted Flores Island lighthouse at 10.25. bearing (p.c.) E.½S. Secured every thing for sea. By order of the Commanding Officer the following punishments were assigned. Patrick H. Sheehan (C.M.S.) five days solitary confinement on bread and water. for drunkenness, fighting and resisting Master at Arms. while in confinement. Dan'l McKinnon (Sea) and John McGowen (Sea) placed in double irons to await trial by Court martial for leaving boat. Charles Carter (Cox) disrated to Seaman for not returning to boat when ordered. Henry Furman (Pot M.) and Oscar Walker (Pot M.) two days extra duty each for neglect of duty. Aneroid barometer 30.48. W. W. Smith Master

Meridian to 4 P.M. Cloudy. Cool. Pleasant. Light breeze from E. Smooth sea. Steaming across the Rio de La Plata. At 12.30 stopping 15 minutes to cool bearings. At 3. lost sight of Flores light. At 1 took departure. Flores Light bearing by compass N ¾ W. Cerro Light. W.N.W.½W. S.½E.¾E. Steaming 4 knots. Course E.¾N. Sold deserters effects at auction. Aneroid 30.50 Wainwright-Keeper of Log Lieutenant

4 to 6 P.M. Weather overcast but pleasant. Steady breeze from E. Barometer variable. At 5.30 made Maldonado Light. ½ point on starboard bow. and at 5.45 changed course to E. by order of Commanding Officer. Under steam, pressure 58 lbs. Revolutions 46. At 6. changed course to E.S.E. by order of Commanding Officer. Aneroid barometer 30.51. Wardwell Lieutenant

6 to 8 P.M. Partly cloudy and pleasant. Gentle breeze from E°. Barometer steady. At 7.20 Maldonado Light bore N.E. At 7.30 changed course to S.E. Patent log showed 49 miles. At 7.30 took departure Maldonado Light bearing N by E¼E. distance 7 miles. At 8. Maldonado Light bore N by W.¼W. Aneroid at end of watch 30.54. C. F. Pond Lieutenant

8 P.M to Midnight Weather clear and pleasant. Light breeze from E°, hauling to E by S. At 9.50 lost sight of Maldonado Light bearing (p.c.) N.N.W.¼W. At 9.10 set fore and aft sail, took it in at 9.15. Steam pressure 56 lbs. Revolutions 58. Aneroid barometer 30.54. W. M. Emmons Master

Examined and found to be correct.

Moon. S. Mid.
Phase. Last quarter
Dec 15° 29' 55" N.

W. D. Taylor Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	4	S.E.	ESE	4		30.57	60	55	53	52	bc	Cir cumu	8	S	Steam
2	5	7	"	"	4		30.58	60	55	52	53	"	"	9	"	At 230 set fore and aft sail
3	8	0	S × W.	"	4		30.58	61	54	52	53	"	Strat	9	"	Fore sail and topsails
4	8	6	"	"	4		30.58	60	54	52	53	"	"	9	"	
5	8	5	"	"	4		30.58	60	54	52	55	"	"	9	"	
6	8	5	"	E × S	4		30.55	60	54	56	55	"	"	9	"	
7	8	0	"	E	4		30.56	60	54	52	55	"	"	9	"	
8	6	0	"	E × N.	4		30.58	60	54	52	55	"	Cir str	9	"	Set topgallt royals and flying jib
9	5	2	"	"	4	½	30.58	60	54	52	55	"	"	9	"	
10	7	0	"	S	4	½	30.60	60	54	52	55	"	"	9	"	Took in fore royal
11	7	2	"	"	4	½	30.60	60	53	52	55	"	"	8	"	
Noon.	6	8	"	"	4	½	30.60	60	53	52	53	"	"	8	"	

Distance run by Log since preceding Noon — 152 knots 5 fathoms.

Latitude by D. R. at Noon — 36 ° 45 ' 18 " S

Longitude by D. R. at Noon — 55 ° 05 ' 18 " W

Latitude by Observations at Noon ⊙ — 36 ° 41 ' 10 " S

Longitude by Chronometer from Forenoon Observations ⊙ — 55 ° 12 ' 15 " W

Current during the time 0.4 knots ~~fms.~~ per hour, setting to the — N 59° W

589 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.15 a.m. — 9° 00' 00" E

Water expended during the preceding 24 hours — 335 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2368 "

Coal consumed during the preceding 24 hours — 10 tons 100 lbs.

Coal remaining on hand at Noon — 126 " 621 ".

P. M.															
1	6	8	S × W.	E	4	30.56	59	53	51	55	bc	Cir str	8	S.	
2	7	0	"	"	4	30.52	58	53	51	56	"	Circum	9	"	
3	7	8	"	"	4	30.52	63	53	51	55	"	"	9	"	
4	7	6	"	"	4	30.52	65	52	50	53	"	Cir str	9	"	
5	6	8	"	"	4	30.53	67	52	50	56	"	"	9	"	
6	7	0	"	"	4	30.50	67	52	50	56	"	"	9	"	
7	8	0	"	"	5	30.49	67	51	49	56	"	"	9	"	Plain sail except Royal stopgallsail
8	7	5	"	"	4	30.50	66	50	49	56	"	"	9	"	
9	7	6	S S W.	"	4	30.47	60	50	47	56	b		10	"	
10	6	6	"	E × N.	3	30.47	60	50	47	56	bc	Cumu	9	"	
11	6	2	"	E × S.	5	30.46	60	50	47	50	"	"	5	"	
Mid.	7	2	"	"	4	30.42	60	50	48	48	"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 55 ° 07 ' 30"

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by Az ⊙ at 3.30 p.m. — 9 ° 30 ' E

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday June 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Pleasant. Moderate breeze hauling from E.S.E. to S.E by E. Smooth sea. At 2. changed course to S by W. patent log read 88 1/2 miles. Set fore and aft sails and at 2.30 set foresail and topsails. Moon broke at 2.40. Steaming under four boilers. Average steam 52. Rev. 44. Aneroid at end of watch 30.52. Patent log at end of watch 105 miles, At 2. stopped to take soundings, bottom at 15 fathoms. sand and shells. Wainwright-Kellogg Lieutenant

4 to 8 A.M.

Weather clear and pleasant. Moderate breeze from ESE to E by N. Barometer steady. Stratus clouds. Set fires burn down and hauled all but two, which were banked, and stopped steaming at 7. Set top gallant sails royals and flying jib at 7.50. Sea smooth. Aneroid barometer 30.55. Wm. H. Parker, Lieutenant

8 A.M. to Meridian. Weather clear and pleasant. High barometer. Fresh breeze from E. Smooth sea. Mustered at quarters at 9.30. the Commanding Officer inspected the ship. Furled the fore royal. sent down the yard and secured it in the rigging, on account of the weakness of the fore top gallant mast. Aneroid at end of watch 30.56. C. Riley Lieutenant

Meridian to 4 P.M. Clear delightful weather. Fresh Ely breeze, Smooth sea. Barometer falling slightly. Got both anchors on the bows. unbent chains and stowed them below. Aneroid barometer 29.50.

4 to 6 P.M. W. M. Brown Master

Clear. cool. pleasant. Moderate breeze from E. Smooth sea. Aneroid 30.50. Wainwright Kellogg Lieutenant

6 to 8 P.M. Weather clear and pleasant. Barometer steady. Clouds cirro stratus. Ships under sail. Fires banked under two boilers for heating purposes. Bright starlight. Smooth sea. Aneroid barometer 30.50.

8 P.M to Midnight. Wm. H. Parker, Lieutenant

Weather generally clear and pleasant, growing somewhat thick towards end of watch. Barometer falling. Smooth sea. Fresh breeze from E to E.N.E. Changed course at 8.15 to S.S.W. Aneroid at end of watch 30.43. C. Riley

Lieutenant.

07
1 8
25
1 2

Moon's Mid. Dec. 18° 32' 19" N. Phase Last quarter

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At sea, making passage from Montevideo, Uruguay, to Valparaiso, Chile.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	2	S.S.W.	S.E.	4		30.38	58	50	48	48	bcm	Cir cumb	8	S.	All plain sail except
2	7	2	"	"	4		30.35	58	50	48	48	"	"	5	"	Main sail, royals & Spanker
3	7	2	"	"	4		30.31	57	50	48	48	"	Cir Numb	4	"	
4	8	0	"	"	4		30.25	56	51	49	49	"	Numb	1	"	
5	9	0	"	"	5		30.24	58	57	48	48	"	"	1	"	
6	8	6	"	"	4		30.22	57	51	48	48	oc	"	0	"	
7	8	0	"	"	4		30.20	56	52	49	48	ocd	"	0	"	
8	8	4	"	"	4		30.19	57	51	49	48	"	"	0	"	Hauled down flying jib
9	8	0	"	"	5		30.17	57	50	48	48	ocrf	"	0	"	
10	7	5	"	"	5		30.17	57	50	49	48	"	"	0	"	
11	8	0	"	"	5		30.12	57	50	49	48	"	"	0	M	Took in main tryo sail & main royal.
Noon.	9	0	"	"	6		30.08	57	50	49	48	"	"	0	"	

Distance run by Log since preceding Noon 182 knots 4 ~~fathoms~~ 38

Latitude by D. R. at Noon 39° 22' 52" S

Longitude by D. R. at Noon 56° 53' 52" W

Latitude by Observations at Noon ⊙ — ° — ' — "

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ' — "

Current during the time knots fms. per hour, setting to the —

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ' — "

Variation of the Compass by Azimuth ⊙ observed at — ° — ' — "

Water expended during the preceding 24 hours 305 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2060 "

Coal consumed during the preceding 24 hours 1 tons 1600 lbs.

Coal remaining on hand at Noon 125 " 461 "

P. M.															
1	9	2	S.S.W.	N.E.	6		30.00	60	50	49	48	ocrf	Numb	0	MS	
2	9	2	"	"	6		29.96	60	50	49	48	"	"	0	"	Hauled down jib
3	8	8	"	"	5		29.94	57	50	49	48	"	"	0	"	
4	8	8	"	"	5		29.90	57	50	49	48	"	"	0	"	
5	7	0	"	"	5		29.85	67	57	50	48	"	"	0	"	Took in reefs in topsails
6	6	0	"	"	5		29.82	69	50	49	49	"	"	0	"	
7	6	2	"	N.N.E.	5		29.84	68	50	49	48	"	"	0	"	
8	6	0	"	"	4		29.80	68	50	47	48	"	"	0	"	
9	5	0	"	"	3		29.74	67	53	51	48	"	"	0	"	
10	5	0	"	"	3		29.75	67	52	51	45	"	"	0	"	
11	5	5	"	N.	3		29.71	65	52	51	45	ocf	"	0	"	
Mid.	5	5	"	N.N.W.	3		29.69	65	52	51	48	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

U S S Essex. 3d Rate.
At sea. June 12. 1882.

Sir:

We recommend that Fred.k Christoffersen (Ord. Sea) be rated Seaman, and that Herbert Hayes Lands be rated Ord Seaman.

Very respectfully
M R S Mackenzie Lieutenant
W. H. Parker Lieutenant
Wainwright Kellogg Lieutenant

Comdr
A. H. McCormick. U.S.N.
Commanding

ick , U. S. Navy,
12th , 1882.

AY.

ty. Moderate breeze from
Aneroid baron Ser. 30.30.
W M Smith Master
h breeze from E.N.E. Smooth
g slowly. 30.22 at end of
Kellogg Lieutenant
ny and foggy but not
and increasing breeze
royal and make try sail
lers for heating purposes.
g Officer. W F Mullin,
missing muster of watch.
Herbert Hayes Lieutenant

Ord. Boy, was given three days extra duty for missing muster of watch.
Meridian to 4 P.M.

Overcast, foggy, rainy dismal weather. Fresh breeze from S.E. Barometer falling. Hauled down and stowed jib at 2.00. Got up for bending fore storm staysail and storm mizzen. Indications of ugly weather. Aneroid at end of watch 29.92.
Alex Lieutenant

4 to 6 P.M. Overcast. cloudy, rainy and thick. Moderate sea. Barometer falling rapidly. At 4.50 called all hands took single reef in topsails and sent main royal yard on deck. Aneroid barometer at the close 29.87.
W M Smith Master

6 to 8 P.M.

Overcast. drizzling rain. Moderate breeze from S.S.E. Moderate sea. Aneroid falling slowly. 29.84 at end of watch.
Wainwright Kellogg Lieutenant

8 P.M. to Midnight.

Weather foggy and rainy in first part of watch but clearing up somewhat toward the end. Wind decreasing in force and shifting from S.S.E to S.S.W. At 10.30 wind hauling on starboard quarter braced up a little by port braces. The barometer during the watch was falling. Banked fires under two boilers, Aneroid barometer 29.78.
Herbert Hayes, Lieutenant

18
67
27
.43

Noon & Mid. Examined and found to be correct.
Dec 20° 30' 07" N.
Phase, Last quarter.

W. H. Parker
Lieutenant & Navigator.

Under the command of Commander A. H. McCormick, U. S. Navy,

Monday, June 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty. Moderate breeze from E.N.E. freshening last hours. Took in spanker at 12.15. Aneroid barom. Ser. 30.30.
4 to 8 A.M. W.M. Symington Master

Overcast. Raining last two hours. Fresh breeze from E.N.E. Smooth sea. At 8. hauled down flying jib. Aneroid falling slowly. 30.22 at end of watch.
8 A.M. to Meridian. Wainwright Kellogg Lieutenant

Weather overcast, cloudy, rainy and foggy but not altogether unpleasant. Barometer falling. Fresh and increasing breeze from E.N.E. Sea smooth to moderate. Took in main royal and main try sail to increasing breeze. Fires banked under two boilers for heating purposes. Aneroid barometer 30.10. By order of Commanding Officer, W. F. Mullin. 1 Cl. Boy, was given three days extra duty for missing muster of watch.
Meridian to 4 P.M. Herbert Parker Lieutenant

Overcast, foggy, rainy dismal weather. Fresh breeze from N.E. Barometer falling. Hauled down and stowed jib at 2.00. Got up for bending, fore storm staysail and storm mizzen. Indications of ugly weather. Aneroid at end of watch 29.92. A. Rhoades Lieutenant
4 to 6 P.M. Overcast, cloudy, rainy and thick. Moderate sea. Barometer falling rapidly. At 4.50 called all hands, took single reef in topsails and sent main royal yard on deck. Aneroid barometer at the close 29.87.
6 to 8 P.M. W.M. Symington Master

Overcast, drizzling rain. Moderate breeze from N.N.E. Moderate sea. Aneroid falling slowly. 29.84 at end of watch.
8 P.M. to Midnight. Wainwright Kellogg Lieutenant

Weather foggy and rainy in first part of watch but clearing up somewhat toward the end. Wind decreasing in force, and shifting from N.N.E to N.N.W. At 10.30 wind hauling on starboard quarter braced up a little by port braces. The barometer during the watch was falling. Banked fires under two boilers, Aneroid barometer 29.78.
Herbert Parker, Lieutenant

18
67
27
.43

Noon to Mid. Examined and found to be correct.
Dec 20° 30' 0" N.
Phase, Last quarter.

V. K. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At sea, making passage from Montevideo, Uruguay to Valparaiso, Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	6	S.S.W.	N by W	4		29.69	60	47	46	45	ocm	nimb	0	M	Fore sail, stay sail
2	6	2	"	N.N.W.	4-5		29.62	60	47	46	45	ocr	"	0	"	Reef in topsails and topgallant sails
3	6	0	"	NW.	4-5		29.58	60	47	46	45	"	"	0	"	
4	5	8	"	NW by W.	4		29.58	58	47	46	44	"	"	0	"	Set jib
5	6	0	"	"	4		29.52	57	47	46	45	ocrf	"	0	"	
6	6	4	"	"	5		29.51	56	48	48	46	ocf	"	0	"	
7	6	4	"	"	5		29.48	55	48	47	44	ocdm	"	0	"	
41.14 58.26 8	7	0	"	"	5		29.47	55	48	47	44	"	"	0	"	Took second reef in topsails. single reef in foresail. Took in topgallant sails and jib
9	8	0	"	N.N.W	6		29.44	67	49	47	44	"	"	0	"	
10	6	0	"	"	6		29.42	65	49	47	44	"	"	0	"	
11	7	0	"	"	6-8		29.42	65	48	46	44	"	"	0	"	
Noon.	7	0	"	"	6-8		29.39	65	48	46	44	"	"	0	"	

Distance run by Log since preceding Noon	159 knots 6 fathoms.	
Latitude by D. R. at Noon	41° 37' 16"	S'
Longitude by D. R. at Noon	58 · 45 · 82"	W
Latitude by Observations at Noon ⊙	—·— '	"
Longitude by Chronometer from Forenoon Observations ⊙	—·— '	"
Current during the time knots fms. per hour, setting to the		
576 Variation of the Compass by Amplitude ⊙ observed at Sunrise	—·— '	"
Variation of the Compass by Azimuth ⊙ observed at	—·— '	"
Water expended during the preceding 24 hours	330 gallons.	
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1730	"
Coal consumed during the preceding 24 hours	1 tons 580	lbs.
Coal remaining on hand at Noon	124 " 2121	"

P. M.																
1	4	0	S.S.W.	NW by W.	4-5		29.37	68	48	46	44	ocrf	nimb	0	L	
2	3	5	"	"	3-4		29.34	58	48	47	46	"	"	0	"	
3	1	0	N.W	S.W.	3 2		29.34	58	47	46	47	beq	"	1	"	
4	2	0	N.W by W.	"	3		29.37	58	47	46	47	"	"	1	"	
5	1	4	W.N.W.	S.S.W.	4-6	3	29.40	59	47	46	47	ocqf	"	0	"	
6	2	0	W by N	"	5-7	3	29.40	59	47	46	47	ogcm	"	0	B	
7	2	0	"	"	6-7	3	29.49	62	47	46	47	"	"	0	"	
41.38 58.54 8	2	4	W. by N.	S by W	6-7	3	29.50	65	47	46	47	bcmq	"	2	"	
9	2	4	W by N	"	6-8	3	29.52	60	47	46	46	ocqd	"	0	"	
10	2	0	"	"	6-8	3	29.56	57	47	46	46	"	"	0	"	
11	2	4	W	"	6-8	3	30.60	57	47	46	46	"	"	0	"	
Mid.	2	2	"	"	6-8	3	30.64	57	47	46	46	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	'	"
Longitude by Chronometer from Observations *	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander A. W. McCormick, U. S. Navy,

Tuesday, June 13th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Wet, foggy, disagreeably weather. Moderate breze from W. and W.N., hauling to W., Moderate sea. Set jib at 3.30. Aneroid at end of watch 29.68

C. P. Rees Lieutenant

4 to 8 A.M. Overcast, foggy, dismal weather. Moderate breze from N.W. by W. freshening latter part. Raining first hour. Barometer falling steadily with every indication of continued bad weather. Aneroid barometer 29.54.

8 A.M. to Meridian.

W. H. Emmons Master

Overcast, foggy. Heavy rain during watch. Fresh breze, gradually freshening to strong breze from N.W. & W. Moderate sea. At 9. took second reef in topsails, single reef in foresail, and hauled down and stowed jib. Got up preventer braces. Aneroid falling very slowly. 29.54 at end of watch.

Meridian to 4 P.M.

Warrington Lt Kellogg Lieutenant

Weather wet and disagreeable until latter part of watch when it cleared up. Gentle to fresh breze from N.W by N. until 2.30 when the wind come out light, but suddenly from S.W. Brace around the yards and filled on the port tack. Barometer low during the watch. Nimbus clouds. Fires banked under two boilers for heating purposes. Aneroid barometer 29.50.

4 to 6 P.M.

Hart Parker Lieutenant

Overcast foggy and equally. Barometer steady. Mustered at quarters at 4.30 and made out clothing requisitions. Aneroid at end of watch 29.65.

C. P. Rees Lieutenant

6 to 8 P.M. Overcast, cloudy and threatening. Fresh breze from S.W. with frequent squalls. Barometer rising. Aneroid barometer 29.60.

8 P.M. to Midnight

W. H. Emmons Master.

Overcast. Rainy first hour of watch. Blowing a moderate gale from S.W. Moderate sea. Aneroid rising slowly 29.75 at end of watch

Warrington Lt Kellogg Lieutenant

Moon's Mid. Dec 21st 15 26m N.
Phase, Last quarter

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At sea, making passage from Montevideo, Uruguay to Valparaiso Chile

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	W × S	S	7-8	4	29.68	60	46	45	46	ocgd	nimb	0	R.	Double reefed topsails
2	2	0	"	"	7-8	4	29.70	60	46	45	46	"	"	0	"	topgallsails. F. Topt Stays'l
3	2	0	"	"	7-8	4	29.73	60	46	45	46	"	"	0	"	Maintopsail & spanker
4	2	0	"	"	7-8	4	29.78	60	46	45	46	"	"	0	"	
5	2	4	W. by S	"	7-8	3	29.78	59	46	45	46	"	"	0	"	
6	2	0	W × S.	"	6-7	3	29.80	59	46	45	46	ocgm	"	0	"	Set spanker
7	2	4	W	S × W	3-6	3	29.86	60	46	45	46	"	"	0	"	Shook one reef out of
8	2	8	W. by N.	S. S. W	3-5	2½	29.90	60	46	45	46	bcg	Cir cum	3	"	topts and fore sail.
9	2	2	W × S	"	3	1	29.96	62	48	45	46	bc	"	4	B.	
10	2	4	S W × W by W	S. W.	3	1	29.96	61	48	46	45	"	"	3	"	Shook out reefs of topsails
11	2	4	"	"	2	1	29.96	61	49	48	46	"	"	2	"	Set topgalts and Mroyal
Noon.		6	S. S. W.	W.	1	1	29.95	57	49	48	46	"	"	6	L	

Distance run by Log since preceding Noon 53 knots 3 ~~fathoms~~ Tenths

Latitude by D. R. at Noon 41 ° 15 ' 46" S

Longitude by D. R. at Noon 59 ° 29 ' 52" W

Latitude by Observations at Noon ⊙ 41 ° 19 ' 36" S

Longitude by Chronometer from Forenoon Observations ⊙ 59 ° 55 ' 15 "

Current during the time ~~ knots ~ fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

576 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 11400 "

Coal consumed during the preceding 24 hours 1 tons 55 lbs.

Coal remaining on hand at Noon 124 " 2066 "

P. M.															
1	0	6	S. S. W.	W.	0-1	29.96	56	50	48	46	bc	Cir cum	6	L	
2	0	6	"	"	1	29.96	57	49	47	45	"	"	2	"	
3	1	2	"	"	1	29.98	58	49	47	46	oc	"	0	"	
4	2	0	"	"	1	29.99	60	49	47	46	bc	"	6	"	
5	3	0	"	N. W.	2	29.93	60	49	48	46	"	"	5	"	
6	3	0	"	"	2	29.96	60	49	48	46	"	"	8	8	
7	3	2	"	N. NW.	2	29.95	60	49	48	46	"	"	7	"	
8	3	4	"	"	2	29.96	60	50	48	45	"	"	7	"	
9	3	0	"	"	2	29.96	56	50	49	45	bc	"	3	"	
10	2	2	"	"	1	29.96	56	50	49	46	"	Cum Mimb	2	"	
11	2	5	"	W. N. W.	2	29.98	55	50	49	46	"	"	2	"	
Mid.	1	8	S × W	W × S	2	30.00	54	50	49	48	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ 59 ° 51 '30" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U.S. Navy,

Wednesday, June 14th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast equally and rather wet. Moderate gale from S. Barometer rising. Sea rather rough though ship rolled to heavily. Fires banked under two boilers. Aneroid barometer 29.89.

4 to 8 A.M. Ward Nothier, Lieutenant

Overcast equally and misty first part of watch. Clearing during last hour. Barometer rising. Shook the second reef out of the topsails at 6.00 and set spanker. Aneroid at end of watch 29.98.

8 A.M. to Meridian C. P. Rae Lieutenant

Cloudy and cool. Clearing a little occasionally. Light breeze from S. and W. shifting to W. last hour. Crossed topgallant yards at 8.00. Sent down jib-outer braces. At 9.40 got a cast of the deep sea lead in 41 fathoms of water, hard sand bottom. At 10.10 shook reef out of the topsails, set jib and topgallant sails. At 11.00 wore ship to the S. and brought ship to her course. Went to quarters for inspection at 9.30. Barometer rising. Aneroid barometer 30.02.

Meridian to 4 P.M. W. W. Swain Master

Clear and pleasant. Light airs from W. Smooth sea. At 1. a Summary Court-martial convened consisting of the following officers, Lieutenants W. H. Parker, and Wainwright Kellogg Passed Assist. Engineer Frank J. Hoffman, and 1st Lieut Ob Berryman as recorder for the trial of John McGowen Sea. At 2.00 the Court adjourned to await the action of Commanding Officer. Aneroid 30.00.

4 to 6 P.M. Wainwright Kellogg Lieutenant

Weather clear and pleasant. Barometer rising. Clouds cirro cumulus. Sent up main royal yard and set main royal and braced in the yards by the starboard braces. Light breeze from N.W. Aneroid barometer 30.00. At 4.30 called all hands to muster and read the charges and specifications against Danl McKinnon (Sea) and John McGowen (Sea) and the findings and sentences of a Summary Court-martial before which they were tried, both were found guilty and the first was sentenced to lose three months pay amounting to $44.50. and to perform three months extra police duty; the latter was sentenced to be disrated to Ordinary Seaman and to lose two months pay as such amounting to $30.00 and to perform three months extra police duty. The proceedings findings and sentences were approved by the Commanding Officer, except that part relating to loss of pay, and that part relating to reduction of rating which are referred to the Hon. Sec of the Navy.

6 to 8 P.M. Ward Nothier, Lieutenant

Partly cloudy and pleasant. Gentle breeze from N. and W. Smooth sea. Barometer rising. Aneroid at end of watch 30.00.

8 P.M. to Midnight. C. P. Rae Lieutenant

Weather generally clear and pleasant. Light breeze from W. Long swell. Barometer steady. Aneroid barometer 30.04.

W. W. Swain Master

Modelled Examined and found to be correct.

Dec. 20° 50' 20. N.

Phase Last quarter.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES "Steamer Essex", 3d Rate, 6 Guns,

Abroad, making passage from Montevideo Uruguay to Valparaiso Chile

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	S.	W×S.	3		30.02	54	50	49	46	bo	Cirrumb	4	S	Plain sail to top gts.
2	4	0	S.SE.	S.W×W	3		30.04	54	50	49	46	"	"	5	"	except mainsail.
3	3	6	"	"	3		30.08	52	49	48	46	"	"	8	"	
4	3	2	S×E.	WSW.	3		30.10	51	49	48	47	"	"	8	"	
5	1	5	SSE.	S.W×W.	1		30.06	51	49	48	48	"	"	8	"	
6	1	5	"	"	1		30.09	51	49	48	48	"	Cirstr	9	"	
7	2	5	SSE½E.	S.W.	2		30.13	51	49	48	48	"	"	9	"	Set main royal
8	2	5	"	"	2		30.16	51	49	48	48	"	"	9	"	
9	2	4	SE×S.	SW×S.	2		30.19	60	49	47	48	"	"	9	"	
10	2	4	"	"	2		30.21	60	49	47	48	"	"	9	"	
11	2	0	SSE½E.	S.W.	1		30.22	68	49	47	48	"	"	9	"	
Noon.	1	4	S×E½E	SW×W.	1	1	30.24	70	49	47	48	"	"	9	"	

41° 53' S
60° 00' W

Distance run by Log since preceding Noon — 55 knots 3 tenths fathoms.

Latitude by D. R. at Noon — 41 ° 57 ' 30" S

Longitude by D. R. at Noon — 60 ° 00 ' 15" W

Latitude by Observations at Noon ⊙ — 41 ° 53 ' 30" S

Longitude by Chronometer from Forenoon Observations ⊙ — 59 ° 56 ' 15" W

Current during the time .2 knots — fms. per hour, setting to the — N 39° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

575 Variation of the Compass by Azimuth ⊙ observed at 9 a.m. — 13 ° 00 ' E

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1100 "

Coal consumed during the preceding 24 hours — 1 tons 55 lbs.

Coal remaining on hand at Noon — 123 " 2011 "

P. M.															
1	1	4	S×E	SW×W.	1		30.24	65	49	47	48	bc	Cirstr	8	S	Same
2	1	4	S×E½E	"	1		30.25	61	49	47	48	"	"	7	"	
3	1	2	"	"	1		30.26	60	48	47	47	"	"	6	"	
4	1	2	S.SE.	SW.	1		30.26	58	48	47	47	"	"	4	"	
5	Hoisting away			Calm	0		30.27	59	48	47	47	"	"	4	"	Took in foresail & M royal
6	"			"	0		30.30	59	50	48	47	"	"	6	"	
7	"			"	0		30.31	59	50	48	47	"	"	8	"	
8	"			"	0		30.32	59	50	48	47	"	"	9	"	
9	"		SW×W.	"	0		30.32	60	50	48	47	bcz	"	9	"	
10	"		S.W.	"	0		30.32	60	50	48	47	"	"	9	"	
11	"		"	"	0		30.32	60	50	48	47	"	"	9	"	
Mid.	"		S.SW	"	0		30.32	60	51	49	47	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 59 ° 50 ' 00" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday June 15th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool, pleasant. Light breeze veering from W by S. to W. S. W. Smooth sea. At 1. took in main royal. Aneroid 30.10
4 to 8 A.M. Wainwright Waterbury Lieutenant.

Weather clear and pleasant. Barometer rising. Clouds cirrus and stratus. Light breeze from S W by W. to S.W. Sea smooth. Set main royal at 7.30. Fires banked under two boilers.
8 A.M to Meridian. Hall Wolven Lieutenant

Clear and pleasant. Gentle breeze from S. and W. Smooth sea. Barometer rising. Mustered at quarters at 9.30. Aired bedding. By order of Commanding Officer, Patrick Shuhan, (C Top) was released from confinement. By same authority Stephen P. Smallfield, (1 C) was given 4 days extra duty for disobeying orders of Captain of Top, and Jno. A. Gibson (Lds) was given 2 days extra duty for smoking on quarter deck. Frederick Christofferson (O) was rated Seaman and Herbert Hayes (Lds) was rated Ordinary Seaman. Aneroid barometer at end of watch 30.21.
Meridian to 4 P.M. C. P. Lee Lieutenant

Pleasant weather. Very light airs from S W by W. veering to S. W. Smooth sea. Barometer rising slightly. Served out clothing. Aneroid barometer 30.26.
4 to 6 P.M. W. W. Swift Master.

Clear and pleasant. Heavy dew. Calm. Smooth sea. At 4 Ho mustered at quarters. Ship having no steerage way. Aneroid 30.30.
Wainwright Waterbury Lieutenant
6 to 8 P.M.

Weather clear and pleasant. Calms. Bright starlight. Smooth seas. At 7.30. braced the yards square. Fires banked under two boilers.
8 P.M to Midnight Hall Wolven Lieutenant

Partly cloudy. Foggy and calm. Barometer steady Aneroid at end of watch 30.36.
C. P. Lee Lieutenant

Moon's mid Dec 19° 20' 33" N
Phase, New moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At sea, making passage from Montevideo, Uruguay to Valparaiso, Chile

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1		0	S.S.W	N.E.	0-1		30.35	59	51	49	47	ocm	Cirrus	0	S	Topsails, topgall[t] jib
2		0	"	"	0-1		30.35	59	51	49	47	"	"	0	"	Set fore stay s. foresail
3	1	0	"	"	1		30.37	58	51	49	47	bcm	"	1	"	
4	1	0	"	"	1		30.38	58	51	49	47	"	"	2	"	
5	1	8	"	"	1		30.34	58	51	49	47	"	"	1	"	
6	3	0	"	"	2		30.33	58	50	48	47	ocm	"	0	"	
7	3	0	"	"	2		30.31	58	51	48	47	bc	"	1	"	Set main royal
8	3	6	"	"	2		30.36	59	50	48	47	"	"	1	"	Hauled down jib
9	3	5	"	N. N.E.	2		30.39	60	51	48	47	oc	"	0	S	
10	4	5	"	NE	2		30.40	60	52	49	48	bc	"	1	"	
11	4	5	"	"	3		30.38	60	53	49	48	"	"	2	S	
Noon.	4	5	"	"	3		30.36	60	52	49	48	"	"	2	"	

42 09
60 03

Distance run by Log since preceding Noon	30 knots 6 fathoms.
Latitude by D. R. at Noon	42° 23' 00" S
Longitude by D. R. at Noon	60° 16' 00" W
Latitude by Observations at Noon ⊙	42° 21' 22" S
Longitude by Chronometer from Forenoon Observations ⊙	60° 04' 45" W
Current during the time knots fms. per hour, setting to the	
575 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	300 gallons.
Water distilled during the preceding 24 hours	50 "
Water remaining on hand fit for use at Noon	850 "
Coal consumed during the preceding 24 hours	tons 2190 lbs.
Coal remaining on hand at Noon	122 " 2061 "

P. M.																
1	4	4	S.S.W.	NE.	3		30.36	70	53	50	48	bc	Cirstr.	1	S	
2	5	0	"	"	3		30.35	70	50	48	48	oc	"	0	"	
3	5	8	"	"	4		30.32	65	49	47	47	"	"	0	"	
4	6	0	"	"	4		30.30	65	49	47	47	"	"	0	"	Set jib & main try sail
5	6	0	"	"	4		30.30	61	47	46	47	"	Cirrus	0	"	
6	6	0	"	"	4		30.30	62	47	46	47	bc	"	1	"	
7	7	0	"	"	4		30.30	63	47	45	47	"	"	1	"	Took in main royal.
8	6	6	"	"	4		30.30	62	47	45	47	"	"	2	"	
9	6	5	"	N E × N.	4		30.26	62	49	48	47	"	"	2	"	Took in main try sail
10	6	5	"	"	4		30.25	62	50	48	47	"	"	4	"	
11	6	0	"	N. N. E	4		30.24	62	50	48	47	"	"	4	"	
Mid.	6	0	"	N.	4		30.22	62	50	48	47	"	"	5	"	

43 00
60 52

Longitude by Chronometer from Afternoon Observations ⊙	60° 16' 30" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by ☉ ☾ at 4 P. M.	14° . E

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, June 16th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Calm first two hours. very light airs from S.E. remainder of watch. Overcast and hazy. Heavy dew. Set forsail at 2. Aneroid barometer 30.35.

4 to 8 A.M. W.M. Low Master.

Clear, Pleasant, Heavy dew. Long swell from N.E. Ship rolling easily. Light freshening breeze from N.N.E. Set main royal and hauled down jib. Aneroid high and steady at 30.31.

8 A.M to Meridian W. Winniett Kellogg Lieutenant

Weather cloudy but pleasant. Light to gentle breeze from N.E to N.N.E. Sea smooth. Barometer falling. Mustered and inspected crew at quarters at 9.15. and afterwards exercised at fire quarters. Commenced distilling water at 10.45. Aneroid barometer 30.35.

Meridian to 4 P.M. Neil Robinson Lieutenant

Cloudy and cool. Gentle to moderate breeze from N.E. Smooth sea. Barometer falling. Aneroid at end of watch 30.28.

4 to 6 P.M. C. P. Rees Lieutenant

Rather cloudy. Hazy around the horizon. Moderate breeze from N.E. freshening latter part. Set jib and main trysail at 4.15. Went to quarters at 4.41. Aneroid barometer 30.30.

6 to 8 P.M. W.M. Low Master

Clear and pleasant. Moderate breeze from N.N.E. Smooth sea. Aneroid 30.30.

8 P.M to Midnight. Winniett Kellogg Lieutenant

Weather pleasant. though mostly cloudy. Moderate breeze from N.E to N.E by N. Barometer falling. Clouds cirrus and cumbus. At 10.20 squared the yards and took in main trysail. At 11.50 braced up d point by the port braces. Distilling water. Aneroid barometer 30.24.

Neil Robinson
KR Lieutenant

Moon b mid. Examined and found to be correct.
Dec. 16° 25' 28" N
Phase. New moon.

W. T. Parke
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At sea, making passage from Montevideo. Uruguay to Valparaiso. Chili

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	6	S.S.W.	S.S.E.	4		30.20	60	50	48	47	bc	Cir cum	2	8	Ps. sail to top gallants'ls
2	6	8	"	"	4		30.18	60	50	48	47	"	"	2	"	exc't pt main sail repairing
3	7	0	"	S by E	4		30.16	60	50	48	47	"	"	3	"	
4	7	2	"	S.S.W.	4		30.14	60	50	48	47	"	"	2	"	
5	7	2	"	S.W.	4		30.12	57	50	48	47	"	Cir Mus	1	M.	
6	7	0	"	"	4		30.10	57	49	48	48	"	"	5	"	
5 44.10 W 61 56 7	6	6	"	S.W. & W.	3		30.07	62	49	48	47	"	Cir cum	4	"	
8	7	0	"	S.W.	4		30.06	62	49	48	47	bc	Cir str	0	"	
9	7	4	"	"	4		30.07	67	49	48	47	"	"	0	"	
10	6	4	"	"	4		30.07	67	49	48	47	bc	"	2	"	
11	6	6	"	"	4		30.02	67	50	48	47	"	"	3	"	
Noon.	7	4	"	"	4		29.98	67	50	48	47	"	"	4	"	

Distance run by Log since preceding Noon 153 knots — ~~fathoms.~~ 6074

Latitude by D. R. at Noon 44° 28' 22"

Longitude by D. R. at Noon 62° 19' 00"

Latitude by Observations at Noon ⊙ 44° 32' 46"

Longitude by Chronometer from Forenoon Observations ⊙ 62° 19' 00"

Current during the time — knots —— fms. per hour, setting to the — —

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

575 Variation of the Compass by Azimuth ⊙ observed at 15° 14' E

Water expended during the preceding 24 hours 306 gallons.

Water distilled during the preceding 24 hours 1960 "

Water remaining on hand fit for use at Noon 25500 "

Coal consumed during the preceding 24 hours 2 tons 1385 lbs.

Coal remaining on hand at Noon 120 " 676 "

P. M.															
	3	5	S.S.W.												
1	3	0	S ¾ W.	W & W.	4		29.98	67	50	49	47	bc	Cir str	5	S.	
2	6	0	"	S.W.	4		29.94	67	49	48	47	"	Cir Mus	1	"	Took in M. topsail & Mizzen
3	5	5	"	"	4		29.92	68	49	48	47	oc	"	0	"	
4	5	5	"	O "	4		29.91	68	49	48	47	"	"	0	"	
5	5	0	S ½ W.	W × S.	3	1	29.90	67	47	46	47	"	"	0	"	Took reef in topsails
6	4	0	"	"	3	½	29.90	67	47	46	47	"	"	0	"	
7	4	0	"	S.W.	3	½	29.94	67	48	46	47	"	"	0	"	
5 45.12 W 62.38 8	4	0	S ½ E.	"	3	½	29.95	63	48	47	47	oc	"	0	"	
9	3	6	S.S.E.	"	3		29.96	64	48	47	47	bcg	"	3	"	
10	4	0	S S E ½ E.	"	3		29.98	63	48	47	47	"	"	5	"	
11	4	4	"	"	3		29.99	60	47	45	47	"	"	2	"	
Mid.	4	4	"	"	3		29.99	60	47	44	47	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. June 17, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy and cool. Moderate to fresh breeze from N.W. to N. Smooth sea. Barometer falling. Distilling fresh water. Set main by sail at 3. Aneroid at end of watch 30.18.

4 to 8 AM. A.P. Rau Lieutenant

Cloudy and pleasant. Moderate breeze from N.W. Long swell and ship rolling easily. Set main royal and spanker at 7. Aneroid bar. 30.11.

8 AM to Meridian. W.W. Smith Master

Cloudy first three hours, clear and cool remainder of watch. Fresh breeze from N.W. Moderate sea. At 9.15 mustered at quarters. By order of Commanding Officer. Benj Campbell (PM) and A.H. Brown (PM) was given two days extra duty for turning in under topgallant forecastle while on watch and Jas H. Stewart (Eds.) 5 days extra duty for neglect of duty. Aneroid falling slowly. 30.04 at end of watch.

Meridian to 4 P.M. W. Cunningham-Kellogg Lieutenant

Weather cloudy but not unpleasant. Barometer falling slowly. Moderate breeze from N.W. by W. to N.W. Smooth sea. Found hauling forward braces up about three points by the port braces, took in spanker and main royal. Sighted a sail on port bow. which proved to be a German barque on the starboard tack. hoisted our colors as did she, and then she signalled for our longitude which we gave her. Distilling water. Aneroid barometer 30.00. At 12.30 changed Course to S.W. by W. by order of Commanding Officer.

4 to 6 P.M. Karl Rohrer, Lieutenant

Cloudy and cool. Barometer steady. The wind hauled at 4.10 to W. by S. The German barque made signal asking for Greenwich time. Answered. She then signalled "thanks" dipped her colors and then stood on to S. and W. Returned the salute. Distilling fresh water. Aneroid at end of watch 29.99.

6 to 8 P.M. A.P. Rau Lieutenant

Overcast. Cloudy and cool. Breeze light and unsteady varying from W. to S. W. and back again. Distilling fresh water. Aft sun light reported broad off starboard bow at 7. Aneroid bar 30.00

8 P.M. to Midnight. W.W. Smith Master

Clear and cool. Moderate breeze from S.W. Moderate sea. Aneroid steady. 30.01 at end of watch.

W. Cunningham-Kellogg Lieutenant

Moon 1 mid
Dec. 10° 36' 45" N.
Phase, New moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At sea, making passage from Montevideo Uruguay, to Valparaiso, Chili

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	5	S.E.×S.	S.W.×S.	3		29.96	60	45	43	47	bc	Cirrus	4	M	
2	3	5	"	"	3		29.97	60	45	43	47	oc	"	0	"	
3	3	0	"	"	3		29.94	60	45	43	46	"	"	0	"	
4	3	0	S.S.E.	S.W.	3		29.95	60	45	43	46	"	"	0	"	
5	3	0	S.E.×S.	"	3	1	29.94	56	44	42	46	bc	"	1	S.	
6	2	5	"	"	3	1	29.98	60	44	42	46	oc	"	0	"	Furled all sail.
7	3	04	S. 3/4 W.	"	2		29.99	70	44	42	46	"	"	0	"	Steam alone
5 46.03 W 62.26 8	7	2	"	"	2		30.02	70	44	42	46	bc	"	5	"	
9	7	6	"	"	2		30.01	62	45	42	45	"	"	7	"	
10	7	0	"	"	2		30.01	62	45	42	45	"	"	8	"	
11	6	2	"	"	2		30.01	62	46	44	45	"	"	8	"	Set fore Stay'l & Spanker
Noon.	6	4	"	W×S.	2		30.01	60	46	44	45	"	"	8	"	Steam.

Distance run by Log since preceding Noon	114 knots 2 ~~fathoms~~
Latitude by D. R. at Noon	46 · 21 · 34" S
Longitude by D. R. at Noon	62 · 50 · 00" W
Latitude by Observations at Noon ⊙	46 · 23 · 38" S
Longitude by Chronometer from Forenoon Observations ⊙	62 · 39 · 15" W
Current during the time 0.33 knots fms. per hour, setting to the	S 70° E
Variation of the Compass by Amplitude ⊙ observed at Sunrise	· · "
561 Variation of the Compass by Azimuth ⊙ observed at 9 m.	16 · 00 · E
Water expended during the preceding 24 hours	300. gallons.
Water distilled during the preceding 24 hours	700. "
Water remaining on hand fit for use at Noon	2900 "
Coal consumed during the preceding 24 hours	5 tons 525 lbs.
Coal remaining on hand at Noon	115 " 131 "

P. M.															
1	7	6	S.×W.	W.×S.	2	29.98	59	46	44	46	bc	Cirrus	6	S	Set flying jib. ft mast Stay'l, for sail M topsail & Spanker
2	7	8	"	"	2	29.98	58	46	44	46	"	"	6	"	
3	7	4	"	"	3	29.96	58	46	44	46	"	"	7	"	
4	2	0	"	"	3	29.93	58	46	44	46	"	"	8	"	
5	8	0	"	"	3	29.93	58	46	44	46	"	"	8	"	
6	7	0	"	"	3	29.93	58	46	44	46	"	Cirstr	9	"	
5 47.18 W 62.03 7	7	6	"	"	3	29.91	60	46	43	46	"	"	9	"	
8	7	4	"	"	3	29.90	60	45	43	46	"	"	9	"	
9	7	6	"	W.N.W.	3	29.91	60	46	44	46	"	Cir Cum	8	"	
10	7	4	"	N.W.	3	29.90	59	46	44	46	"	"	9	"	
11	7	6	"	"	3	29.88	58	46	44	46	"	Cir Str	9	"	
Mid.	8	4	"	"	4	29.88	57	46	44	46	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	62 · 31 · 00" W
Longitude by Chronometer from Observations Venus * 4.40 P.M.	62 · 46 · 00" W
Variation of the Compass by Amplitude ⊙ observed at Sunset	16 · 30 · " E
Variation of the Compass by at	· · "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. June 18. , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Gentle breeze from S.W. to S.W. by S. Barometer about steady. Clouds cirro cumulus. Smooth sea. Aneroid bar. 30.14

4 to 8 A.M. Harl Robinson Lieutenant

Overcast and cool first part of watch, clearing with rising barometer latter part. Started fires under two port after boilers and spread fires under distilling boilers at 4.30. Furled all sails at 6.30. and put ship on her course S by W. under steam. Sighted the German barque seen last night at daylight. Put patent log over at 6.30. reading 35 3/4 miles. Aneroid barometer at end of watch 30.06. Patent log at end of watch 49 miles. Stm pressure 59 lbs. Revls 48.

8 A.M. to Meridian. E. P. Kay Lieutenant

Clear bracing weather. Light breeze from S.W. hauling to W by S. Smooth sea with long swell from W. Went to quarters at 9 A.M. Cond'g Officer inspected ship and crew. Sighted a bark-rigged steamer standing to the N. At 10. wind hauling to N. set jib, foretopmast staysail and spanker. Aneroid bar. 30.06. Steam 58.3. Revols. 47

Meridian to 4 P.M. Wm Cronin Master

Clear and cool. Gentle breeze from N.N.E. Smooth sea. Steaming under 4 boilers. At 1. changed course to S. by W. At 3 took in all fore and aft sail and foresail and at 3.45 set them again. From 3 to 3.45 the ship was off her course. the Navigator taking Azimuth bearings of points of compass. At 3.45 stood off on course. Aneroid falling slowly last hour. 29.97 at end of watch. Stm press. 53 lbs Revols 43.

4 to 6 P.M. Wainwright Kellogg Lieutenant

Weather clear and pleasant. Barometer steady. Gentle breeze from W by S. Sea smooth. Steam pressure 50 lbs. and revolutions 45. Noticed a comet in the western heavens near the horizon.

6 to 8 P.M. Harl Robinson Lieutenant

Clear and pleasant. Gentle breeze from W by S. Smooth sea, Barometer falling. Aneroid at end of watch 29.95 Steam pressure 50 lbs. Revolutions 44. Patent log 1443/4.

8 P.M to Midnight. E. P. Kay Lieutenant

Clear with bright starlight. Moderate breeze from W.N.W. Smooth sea. Barometer falling. Aneroid at close of watch 29.81. Steam 58 lbs. Revolutions No. 2.

Wm Cronin Master

Moon's mid. Examined and found to be correct.

Dec. 10° 06' 23" N.

Phase. New moon.

W. T. Porter Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,
Alpha, making passage from Montevideo. Uruguay. to Valparaiso. Chili

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	8	S by W.	N.W.	3		29.74	57	46	44	46	bc	cir cir	8	8	Fore and aft sail. Fore sail
2	9	0	"	"	4		29.67	56	46	44	46	"	"	6	"	Steam,
3	9	0	"	"	4		29.60	53	46	44	45	"	"	7	"	Hauled down fly. jib
4	9	4	"	"	4		29.60	53	46	44	45	"	"	6	"	
5	9	0	"	W.N.W.	5		29.56	53	48	45	45	"	"	9	"	
6	9	0	"	"	5		29.49	56	48	45	45	"	"	9	"	Took in spanker
7	8	5	"	W by N.	5		29.57	56	48	46	46	"	Cum str	5	"	
5 48..52 W 64..10 8	8	0	"	"	5		29.51	56	48	46	46	"	"	2	R.	
9	6 3	0 0	SbW 1/2 W	"	5		29.48	61	47	45	46	"	"	1	Bb	
10	7	4	"	W.	4		29.47	63	47	45	46	"	"	1	"	
11	7	4	"	W by S.	5		29.44	65	47	45	46	"	"	0	"	Took in foresail
Noon.	8	0	"	"	5		29.42	69	49	46	46	"	"	0	"	

Distance run by Log since preceding Noon — 187 knots 3 ~~fathoms~~
Latitude by D. R. at Noon — 49 ° 16 ' 14 " S
Longitude by D. R. at Noon — 64 ° 42 ' 00 " W
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
561 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 300 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 2600 "
Coal consumed during the preceding 24 hours — 9 tons 640 lbs.
Coal remaining on hand at Noon — 105 " 1731 "

P. M.															
1	6	6	SSW. 1/2 W.	W by S	4		29.41	64	49	46	46	bc	circum	2	Bb	Jib. flying stays'l. trysail
2	6	6	"	"	3		29.42	64	48	45	46	"	"	2	"	Steam.
5 49 30 W 65 20 3	6	6	"	"	3		29.41	59	48	45	46	"	"	1	"	
4	6	6	"	"	3		29.41	59	48	45	46	"	"	1	"	
5	7	4	"	W by N.	3		29.39	62	47	45	45	oc	"	0	"	Set fore sail. spanker
560 6	8	0	"	"	3		29.32	57	47	46	45	bc	cir cumb	1	"	and flying jib.
7	8	0	"	"	3		29.28	57	47	45	45	"	"	2	B	
5 49..58 W 65 48 8	6	4	"	"	3		29.29	57	47	45	45	"	"	6	"	
9	8	0	"	"	3		29.27	63	47	45	45	"	"	5	"	
10	8	2	"	"	3		29.27	63	46	46	46	oc	"	0	Bb	
11	8	8	"	"	4		29.21	65	46	44	46	bc	cir str	6	B	Took in f. jib.
Mid.	8	4	"	"	6		29.20	66	46	44	43	beq	"	9	"	Took in jib + spanker

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Monday. June 19, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Fresh breeze from S.W. Moderate sea. At 2. hauled down and stowed flying jib. Aneroid falling 29.7 at end of watch. Steam 53. Revolutions 46.

4 to 8 A.M. Wainwright-Kellogg Lieutenant

Weather pleasant. Fresh breeze from S by W to S.S.W. Barometer steady at 29.5. Clouds cirro-stratus cumulus and nimbus. Ship under steam. pressure 52 lbs and revolutions 45, Took in spanker at 7. Aneroid barometer 29.50.

8 A.M to Meridian. Ward Robbins Lieutenant

Cloudy and cool. Fresh breeze from S by S. hauling to S.W. and W.W. Moderate sea. Barometer falling. Changed course at 8.45 to S.S.W. 1/2 W. Sent down main royal and fore and main topgallant yards at 9.15. Mustered at quarters at 9.30. Took in foresail at 11.15. By order of Commanding Officer. Wm. H. Needles 'W R Stud' was given three days extra duty for using steerage water closet and blocking wheel rope with guitar b'k. Aneroid barometer at end of watch 29.53. Steam pressure 58 lbs. Revolutions 44.3.

Meridian to 4 P.M. C P Rees Lieutenant

Cloudy and cool. Moderate breeze from S by S. Moderate sea. Barometer steady. Got a cast of the lead at 3. in 6 fathoms, hard sand. Aneroid barometer 29.51. Steam 54 lbs. Revolutions 46.7. Patent log 210.

4 to 6 P.M. Masters Master

Clear and cool. Moderate breeze from S by S. Smooth sea. At 4.40. set flying jib, spanker and foresail. Aneroid falling. 29.48 at end of watch, Steam. 47 lbs. Revolutions 44.

6 to 8 P.M. Wainwright-Kellogg Lieutenant

Weather pleasant though cloudy first part of watch. Barometer 29.29. Clouds cirrus and nimbus. Sea smooth. Ship steady and under steam fore and aft sail and foresail. Pressure 47 lbs. Revolutions 44. At 7.45 got a cast of the lead and found bottom at 6 fathoms, grey sand with black specks. Aneroid barometer 29.44

8 P.M to Midnight. Ward Robbins Lieutenant

Cloudy and overcast first part of watch. clear at end of watch, Barometer low and falling. Strong breeze from S by S. Took in flying jib at 11. and jib and spanker at 11.45. Got a cast of the lead at 12. in 6 fathoms water, grey sand with black spots. Aneroid at end of watch 29.36.

C P Rees Lieutenant

Moon's mid Examined and found to be correct.

Dec. 6° 03' 30" N

Phase. New moon.

W. T. Parker Navigator.
Lieutenant

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

At sea, making passage from Montevideo, Uruguay to Valparaiso, Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	6	S.S.W. 1/2 W.	W.	11		29.20	63	46	43	45	bc	Cir cum	8	M	Looking for sail
2	7	0	"	WSW	4-5		29.20	63	46	43	45	bcp	Cir	9	"	
3	6	8	"	W.	4-5		29.16	57	46	44	45	"	"	9	"	
4	6	8	"	"	3-4		29.16	58	46	44	48	"	"	8	"	
5	6	6	"	"	3-4		29.22	54	46	43	45	"	"	8	"	
6	6	6	"	"	3-4		29.25	58	46	44	46	bcg	"	8	"	
7	6	0	"	"	6-8		29.29	62	45	42	45	"	"	4	"	Hauled down F.S.C. Staysail
51°11' S 8	6	6	"	"	6-8		29.29	62	46	44	45	"	"	2	"	Set Storm Staysail
67°26' W 9	4	0	"	"	6-8	1	29.29	62	46	44	45	"	Cir cum	3	"	Set storm mizzen
10	3	5	"	"	6-8	2	29.29	62	45	42	45	"	"	4	"	
11	3	0	"	W x S	6-8	3	29.36	62	44	42	45	"	"	4	"	
Noon.	2	0	"	"	6-8	4	29.36	62	44	42	45	"	"	4	"	

Distance run by Log since preceding Noon 155 knots / ~~Lead~~ fathoms.

Latitude by D. R. at Noon 51 · 08 · 28 S

Longitude by D. R. at Noon 67 · 00 · 00" W

Latitude by Observations at Noon ⊙ 51 · 18 · 58" S

Longitude by Chronometer from Forenoon Observations ⊙ 67 · 26 · 00" W

Current during the time ~ knots —— fms. per hour, setting to the —

546 Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at E. a.m. 19 · 00 · E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2250 "

Coal consumed during the preceding 24 hours 9 tons 240 lbs.

Coal remaining on hand at Noon 96 " 1491 "

Latitude Merid Alt * Fomalhaut 5. a.m. 51° 01' 06" S

P. M.															
1	2	6	S x W.	W S W.	6-8	4	29.45	65	43	41	44	bcg	Circum	5	A
2	2	8	S 3/4 W.	"	6-8	4	29.50	65	43	41	44	"	"	7	"
3	2	6	S	S. W	6-8	4	29.53	68	43	41	44	"	Cirstr	4	"
4	3	0	S 1/2 E	"	6-8	4	29.57	61	43	39	44	"	"	4	"
5	3	2	S x E	"	6-8	4	29.61	57	43	39	44	"	"	8	"
6	3	2	S 1/2 E	"	6-8	4	29.66	58	43	38	44	"	"	9	"
7	3	2	"	"	6-8	4	29.72	62	42	38	44	"	"	9	"
51°38' S 8	3	6		"	6-8	4	29.73	62	42	39	44	"	"	9	"
67°02' W 9	3	0	S 1/2 W.	"	6-8	4	29.74	62	42	39	44	"	"	9	"
10	2	0	"	"	6-8	4	29.79	62	42	38	44	"	"	9	"
11	2	0	S.	"	6-8	4	29.82	63	42	38	44	bg		10	"
Mid.	2	0	"	"	6-8	4	29.82	63	42	38	44	"		10	"

Longitude by Chronometer from Afternoon Observations ⊙ 67 · 18 · 30" W

Longitude by Chronometer from Observations Antares * 5. a.m. 66 · 38 · 30" W

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, June 20, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Bright starlight. Moderate to fresh breeze varying from N to N.E. Took in foresail at 12. Got a cast of the dup sea lead at 1 a.m. in 55 fathoms water, hard sand bottom. Barometer falling slowly then turning to rise. Aneroid at close 29.40 Steam 54 lbs. Revolutions 42.4.

W.M. Emmons
Master

4 to 8 A.M.

Cloudy, cool, pleasant. Moderate breeze from N.E., which gradually freshened to moderate gale blowing in strong puffs. Sea smooth, at commencement of watch gradually increasing with wind to moderate short sea. At 7 a.m. set storm staysail and stowed fore topmast staysail. Aneroid low but rising slowly. 29.42 at end of watch. Steaming under 4 boilers. At 8 got a cast of dup sea lead. Bottom at 55 fathoms. black sand.

Wainwright-Kellogg
COX
Lieutenant

8 A.M. to Meridian.

Weather clear and pleasant. Thoughts squally. Wind blowing from a fresh breeze to a fresh gale from N. to N by E. Clouds cirro-cumulus. Barometer rising. Moderate sea running. Set storm mizzen to ease the helm, Under steam pressure 54 lbs. and 35 revolutions. At 9.15 mustered and inspected crew at quarters. Aneroid barometer 29.85. By order of Commanding Officer Geo. H. Jordan, 1/Cl was given one days extra duty for neglect of duty.

Hal Roberts
Lieutenant

Meridian to 4 P.M.

Partly cloudy with moderate gale from S. and W. Rough sea, Barometer rising. Turning over engines slowly. Aneroid at end of watch 30.72.

E. P. Lee
Lieutenant

4 to 6 P.M.

Sky cloudless with bright moonlight and starlight. Wind blowing very fresh with frequent squalls from S. W by S. Rough sea Turning engines over slowly. Aneroid barometer 29.81. Steam 52 lbs. Revolutions. 29.

W.M. Emmons
Master

6 to 8 P.M.

Remarkably clear. Cool. Blowing a moderate gale from S.W. Moderate rough sea. Aneroid 29.72.

Wainwright-Kellogg
Lieutenant

8 P.M. to Midnight

Weather clear and pleasant, with moderate gale from S.W. Moderate sea, Ship under storm canvas and steaming going ahead slow. Bright starlight. Moon set at 9.30. Barometer rising. Aneroid barometer 29.96. Steam 47 lbs. Revs. 28.

Hal Roberts
Lieutenant

Moon's mid
Dec. 1°50' 13" N
Phase New moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
At sea, making passage from Montevideo to Valparaiso

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	6	S.	S. W.	6-7	3	29.82	58	42	38	44	bcg		10	A	Steam for storm
2	2 2	0 0	S S W. 3/4 W.	"	6-7	3	29.88	64	42	38	44	"		10	"	Hayl. M. trysail and
3	4	5	"	"	4-7		29.90	67	42	38	44	"		10	"	storm rigging.
4	4	5	"	"	4-6		29.91	69	42	39	44	"		10	"	Took in all sail
5	5	0	"	"	4		29.96	69	42	38	44	b		10	M	
6	3 3	0 0	S W " S.	"	3		29.98	69	42	38	44	"		10	"	
7	7	8	"	"	4		30.00	69	42	38	44	"		10	"	
8	8	0	"	N W.	4		30.00	65	41	38	44	bc	Cir str	9	"	
9	8	6	"	"	4		29.98	63	41	38	44	bc	str	9	"	
10	7 1	0 5	S 1/2 W.	"	4		29.98	59	39	36	41	"	"	9	S	Tow and aft sail
11	10	0	S	"	3		29.96	57	38	37	41	"	"	9	"	except flying jib
Noon.	7 3	0 0	W S W.	W. N. W.	4		29.93	54	38	36	41	"	"	9	"	

Distance run by Log since preceding Noon 145 knots 2 tenths.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

546 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1950 "

Coal consumed during the preceding 24 hours 13 tons 80 lbs.

Coal remaining on hand at Noon 83 " 1411 "

Latitude Meridian alt. * Fomalhaut 5. a.m. 37° 50' 37 S'

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	7 1	5	W S W. S W x S	N. W	4		29.87	52	41	38	41	bc	str	9	S.	Took in foresail
2	8	0	"	"	4		29.87	56	42	39	41	"	"	9	"	
3	9	0	N W x W 3/4 W.	"	3		29.82	55	40	38	41	"	"	9	"	
4	Anchor			"	2		29.78	52	40	37	41	"	"	9	"	
5			N W.	"	3		29.81	58	37	35	41	"	"	8	"	
6			"	"	3		29.82	62	38	36	41	"	Cir	7	"	
7			"	"	3		29.80	62	38	36	41	"	"	5	"	
8			"	"	2		29.78	65	39	37	41	"	"	6	"	
9			"	"	2		29.75	65	39	36	41	bcg	"	6	"	
10			N W x N.	"	3		29.75	63	39	36	41	"	"	6	"	
11			N. N W.	"	4		29.71	51	37	34	41	"	"	7	"	
Mid.			"	"	4		29.70	57	37	34	41	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations Antares * e. a.m. 67° 14' 00" W

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Wednesday June 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool. Strong squalls from S and SE at beginning of watch, afterwards moderating and sea subsiding. Barometer rising. Took in third fore and aft sails at 1.30 and shaped course S.S.W. 3/4 W. Steam in four boilers, Aneroid at end of watch 30.03. Steam pressure 50 lbs, Revolutions, 30.
4 to 8 A.M.

C. H. Rees Lieutenant

Pleasant weather. Moderate breeze from S.W. Barometer rising. Started fires under two main boilers at 5. At 5.25 changed course to S.W. by S. and put over patent log registering 3 1/2. Stopped at 7.12 to set up on both crank pin brasses. Got a cast of the lead in 45 fathoms, hard sand bottom. Started ahead at 7.25, Got up and bent both chains. Patent log at end of watch 52, Aneroid barometer 30.06. Steam 56 lbs. Revs 48.6.
8 A.M. to Meridian.

W. McCann Master.

Remarkably clear weather, cool. Smooth sea. Moderate breeze from N.W. At 8.45 sighted low land bearing W.S.W. At 8.15 set all fore and aft sails. At 9.12 changed course to S by W. at 9.55 to S. At 9.50 sighted Cape Virgins on starboard bow. At 11. took in flying jib. At 11.45 changed course to W.S.W. At 11.30 sighted beacon on spit of land, off Cape Virgins. At 11.20 sighted land on port bow. At end of watch beacon bore West, distant about three miles. Aneroid falling. 30.00 at end of watch. Steaming under six boilers.
Meridian to 4 P.M.

W. Winninghs Keeler
1st Lieutenant

Weather clear and pleasant, Light to moderate breeze from N.W. Barometer falling. Stratus clouds. Smooth sea. At 12.30 took in fore and aft sails and at 1. sent down Topgallant masts. At 12.50 Dungeness beacon was on the starboard beam. At 12.50 changed course to W by S. and at 2 changed course to N.W by W. 3/4 W. by order of Comdg Officer. At 2.50 called all hands bring ship to anchor. and came to at 3.25 in 11 fathoms of water, veering to 60 fms of chain on starboard anchor. Banked fires. Aneroid barometer 29.95. Direction Hill beacon S.W. 3/4 W. Cape Possession beacon E by N.
4 to 6 P.M.

Karl Hoher Lieutenant

Weather clear and cool. Gentle breeze from N.W. Smooth sea. Mustered at quarters at 4.15. Banked fires. Barometer falling slightly. Aneroid at end of watch 29.93.
6 to 8 P.M.

C. H. Rees Lieutenant

Clear pleasant weather. Light breeze from N.W. Barometer falling slightly. Banked fires. Aneroid barometer at close 29.93.
8 P.M. to Midnight.

W. McCann Master

Cloudy. cool. Moderate breeze from N.N.W. with occasional strong puffs of wind. Ship swinging to ebb tide. Banked fires. Aneroid falling. 29.82

W. Winninghs Keeler
1st Lieutenant

Moonl mid. Examined and found to be correct.
Dec. 1°58'23" N
Phase New moon.

W. H. Cooper
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex. 3d Rate, 6 Guns,

At anchor Possession Bay. Straits of Magellan. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.W.	N.W.	4		29.67	49	37	34	41	bc	Ci Cum	4	8	
2			"	"	4		29.66	49	37	34	41	"	"	5	"	
3			"	"	4		29.65	49	37	34	41	"	"	2	"	
4			"	"	4		29.64	49	38	34	41	"	"	2	"	
5			"	W.N.W.	3		29.66	48	40	37	41	"	"	3	"	
6			W.S.	W.S.	3		29.66	48	40	37	41	"	"	5	"	
7			"	"	2		29.70	50	40	37	41	"	"	1	"	
8			"	"	2		29.71	60	40	37	41	"	"	2	"	
9	8	0	Steaming up	S.W.	2		29.71	60	39	37	40	"	"	8	"	
10	8	0	the Straits	"	3		29.71	56	39	37	39	"	"	9	"	
11	8	0	of Magellan	"	4-5		29.70	60	40	37	39	"	"	9	"	
Noon.	8	0		"	4-5		29.70	61	41	38	39	"	"	8	"	

Distance run by Log since preceding Noon 58 knots 0 fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

546 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 400 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1550 "

Coal consumed during the preceding 24 hours 8 tons 2080 lbs.

Coal remaining on hand at Noon 74 " 1571 "

	P. M.															
	12	4	0	S.W. ½ W.	S.W.											
S	1	4	0	S.W. by W.	"	"	6-7	29.74	54	43	39	40	bcq	Ci Cum	1	M
52° 40'	2	7	0	"	"	"	5-7	29.77	53	41	38	40	"	"	2	"
W	3	6	4	"	"	"	8	29.78	51	42	39	40	"	"	8	"
70° 00	4	7	6	S.W. ½ S.	"	"	8	29.86	50	43	39	40	"	"	8	B
	5	Anchored		S.W.	"	"	7	29.80	50	40	38	39	"	"	9	M
	6	"		"	"	"	5	29.82	50	39	38	39	"	"	9	"
	7	Elizabeth		"	"	"	4	29.98	60	40	37	39	"	"	9	"
	8	Is		"	"	"	2	30.00	60	39	37	39	"	"	9	"
	9	Straits of		"	"	"	5	30.00	63	39	37	39	"	"	9	"
	10	Magellan		"	"	"	6-7	30.00	56	39	37	39	"	"	7	"
	11	S.A.		"	"	"	7	30.03	56	39	37	39	"	"	7	"
	Mid.				"	"	6	30.07	55	39	37	39	"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Thursday, June 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Moderate breze from N.W. Barometer falling. Fires banked, Aneroid barometer 29.79
4 to 8 A.M. Karl Rohrer Lieutenant

Weather generally clear, Fresh breeze from N. and W. and S. and N., Smooth sea, Called all hands up anchor at 7.30. Hove around. anchor aweigh at 8.00, Aneroid at end of watch 29.83.
8 A.M to Meridian. C. P. Rees Lieutenant

Clear and cold. Light breeze from N.W. gradually freshening. Smooth sea, Went ahead four bells at 8.05 remainder of watch standing up the Straits of Magellan under guidance of Commanding Officer. Went to quarters at 9.15 Aneroid barometer 29.87. Steam 58.3 lbs. Revs 50.
Meridian to 4 P.M. W. M. Cowdin Master

Clear and cool, Blowing a strong gale from S.W. Rough sea. without swell, At 12.30 changed Course to S. 4 by W. Passing through second narrows from 1 to 3.30. Flood tide during watch, Changing Course several times during last hour of watch standing for Elizabeth Island. Aneroid rising. 29.92 at end of watch, Steaming under 6 boilers.
4 to 6 P.M. Wainwright Kellogg Lieutenant

Weather clear and pleasant, Fresh breeze from S.W. Barometer rising. Clouds Cirro-cumulus. At 4.35 came to with port anchor off Elizabeth Island, in 7 fathoms of water, veering to 60 fathoms on * chain. Banked fires. Aneroid barometer 30.04
6 to 8 P.M. Karl Rohrer Lieutenant

Clear and cool. Barometer rising. Fresh breze from S.W. Banked fires. Aneroid at end of watch. 30.08.
8 P.M to Midnight. C. P. Rees Lieutenant

Clear first part, with strong breze from S.W. clouding over latter part and wind dying away. Barometer rising. Moon out at 11.45 Fires banked, Aneroid barometer 30.15.

W. M. Cowdin Master

* Bearings of anchorage. - Baja Marla Buoy N.E by E. a little Ely. Sylvester point E.

Moon 1 mid. Examined and found to be correct.
Dec. 2° 28' 28" S.
Phase, New moon.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor off Elizabeth Island. Straits of Magellan. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		S.W.	S.W.	5		30.10	53	39	37		bo	cir cum	3	8	
2	"		"	"	5		30.14	51	39	37		"	"	8	"	
3	"		"	"	5		30.14	50	39	37		"	"	8	"	
4	"		"	"	6		30.14	49	38	37		"	"	8	"	
5	"		"	"	4		30.15	49	38	37		"	"	9	"	
6	"		"	"	3		30.17	49	38	37		"	"	9	"	
7	"		"	"	2		30.19	49	38	37		"	cir str	9	"	
8	"		"	"	2		30.21	59	39	37		"	"	9	"	
9	"		W.	"	2		30.22	61	39	37		"	"	11	"	
10	"		"	"	2		30.25	63	39	37		"	"	11	"	
11	"		"	"	3		30.26	65	40	37		"	"	7	"	
Noon.	"		W by W.	"	3		30.26	65	40	37		"	"	9	"	

Distance run by Log since preceding Noon	29 knots	0 tenths.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
437 Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	400	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1150	"
Coal consumed during the preceding 24 hours	6 tons	1360 lbs.
Coal remaining on hand at Noon	68 "	211 "

P. M.															
1	Anchored		W.S.W.	W.S.W.	1		30.14	66	41	38		bo	cir	9	2	
2	"		W.	W	2		30.15	65	42	38		"	"	9	0	
3	"		"	"	2		30.16	65	42	38		"	"	9	"	
4	"		"	"	1		30.21	63	40	38		"	"	8	"	
5	"		"	"	1		30.16	60	40	38		"	str	9	"	
6	"		"	"	1		30.15	60	40	38		"	"	9	"	
7	"		"	"	1		30.13	62	40	38		"	"	9	"	
8	"		S.W.	"	1		30.12	62	38	36		"	"	9	"	
9	"		S.W by W.	"	1		30.09	60	36	34		"	"	9	"	
10	"		N.N.W.	"	1		30.08	56	36	35		bcg	"	8	"	
11	"		N.	N.W.	2		30.02	55	37	36		"	"	9	"	
Mid.	"		"	"	2		30.00	55	37	36		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. June 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Moderate breeze from S.W. with occasional strong puffs. Riding to ebb. Banked fires. Aneroid 30.20
4 to 8 A.M. Wainwright Kellogg Jr Lieutenant

Weather clear and pleasant. Light breeze from S.W. Barometer rising. Clouds cirro-cumulus and cirro-stratus. Fires banked. Aneroid barometer 30.26.
8 A.M to Meridian Karl Rohrer, Lieutenant

Weather clear and pleasant, Gentle breeze from S.W. Cruvat work cleaning decks. Loosed sail at 9.00. furled foresail and topsails at 10.30 Barometer rising. Aneroid at end of watch. 30.26
Meridian to 4 P.M. J. P. Rees Lieutenant

Pleasant weather. Light breeze varying from W.S.W. to West. Barometer rising slightly. Furled light sails, unbent and stowed below storm sails. Went to fire quarters at 3.50 and exercised the crew. Aneroid barometer 30.21.
4 to 6. P.M. W.M. Emmons Master

Clear delightful weather. Cool. Light breeze from S.W. At anchor off Elizabeth Island. Banked fires. At 4.30 mustered at quarters. Aneroid 30.18. falling. W Wainwright Kellogg Jr Lieutenant
6 to 8 P. M. work

Weather clear and pleasant with bright moonlight and starlight Light breeze from the W.N.W., Barometer falling. Stratus clouds. Banked fires. Aneroid barometer 30.16.
8 PM to Midnight Karl Rohrer, Lieutenant

Clear and cool; hazy. Gentle breeze from W.N.W to N and N. Barometer falling. Aneroid at end of watch 30.06.
J. P. Rees Lieutenant

Moon's mid. Examined and found to be correct.
Dec. 6° 42' 16" S.
Phase. First Quarter.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor off Elizabeth Island. Straits of Magellan. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N×E.	N×E	2		29.95	53	38	35		bcm	cis	8	8	
2		"	"	"	2		29.93	53	37	34		"	"	7	"	
3		"	N.N.E.	N.N.E.	2		29.99	51	37	34		"	"	6	"	
4		"	"	"	2		29.89	51	37	34		"	"	6	"	
5		"	N.W×N.	N.W×N.	2		29.85	50	38	36		"	"	6	"	
6		"	"	"	2		29.84	50	38	36		"	"	5	"	
7		"	W.S.W.	N.	1		29.82	50	38	36		"	"	2	"	
8		"	S.S.W.	"	1		29.82	57	39	36		oc	"	0	"	
9		"	W.S.W.	S×W.	3		29.81	59	40	37		"	cir cum r nimb	0	"	
10		"	W.N.W.	"	2		29.81	59	40	38		"	"	0	"	
11		"	W×S.	"	2		29.81	59	41	38		"	"	0	"	
Noon.		"	S.W×W.	S.E.	1		29.80	60	41	38		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
437 Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	450	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	700	"	
Coal consumed during the preceding 24 hours	1 tons	1660	lbs.
Coal remaining on hand at Noon	66 "	791	"

P. M.															
Anchored		W.	N.W.	1	29.80	62	39	38	ocdz	nimb	0	8	
2	"	"	"	1	29.80	64	37	35	ocdzh	"	0	"	
3	"	"	"	1	29.80	64	38	36	oc	"	0	"	
4	"	"	"	1	29.80	64	37	36	"	"	0	"	
5	"	W.S.W.	W.S.W.	1	29.79	64	38	36	ocd	"	0	"	
6	"	S.W.	"	1	29.79	65	39	37	bcm	"	2	"	
7	"	"	"	1	29.80	68	39	37	"	"	3	"	
8	"	"	"	1	29.78	70	40	37	oc	"	0	"	
9	"	S×E	E	1	29.73	70	41	39	"	"	0	"	
10	"	E×E	"	1	29.71	70	39	38	"	"	0	"	
11	"	E	"	1	29.67	68	39	38	"	"	0	"	
Mid.	"	"	"	1	29.70	68	38	37	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. June 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty. Light breze from S by E. Barometer rising. Fires banked. Aneroid at close of watch 29.99.
4 to 8 A.M.
W. Masters Master.

Cloudy. Cool. Light breze from N. Swinging across wind and tide. Aneroid 29.95.
8 A.M. to Meridian
Wainwright Kellogg
1st Lieutenant

Weather overcast and cloudy. Barometer falling. Clouds cirro-cumulus and nimbus. Light to gentle breze from S by W. to S.E. Sent up topgallantmasts and rigged out lower booms. At 9.20 went to general quarters and fired at a target placed 300 yards off. Expended in target practice 10 lbs of cannon powder and 4 IX in. Canister. Fires banked. Cleaned bilges. Aneroid barometer 29.89.
Meridian to 4 P.M.
Karl Kellner Lieutenant

Overcast and rainy. Light breze from S.W. Barometer steady. Received on board for officers and crew 10 ship from ranche on shore. Sent down topgallantmasts at sunset. Aneroid at end of watch 29.86.
4 to 6 P.M.
C. H. Rees Lieutenant

Overcast. cloudy with light drizzling rain first hour. clearing latter part of watch. Light breze from W.S.W. Barometer falling. Started distilles at 5pm. Fires banked. Aneroid barometer 29.86
6 to 8 P.M.
W. Masters Master

Cloudy with occasional glimpses of blue sky. Light airs from W.S.W. Mild. Misty. Distilling. Banked fires. Aneroid falling. 29.84 at end of watch. Tide running ebb during watch.
8 P.M. to Midnight
Wainwright Kellogg
1st Lieutenant

Weather overcast and cloudy. Light breze from E. Barometer falling. Nimbus clouds. Distilling water. Aneroid barometer 29.74.
Karl Kellner
1st Lieutenant

Moon's mid. Examined and found to be correct.
Dec. 10° 43' 10" S.
Phase, First quarter.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor off Elizabeth Island. Straits of Magellan S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	Calm	0		29.70	62	40	38		oc r	nimb	0	8	
2	"		N.W.	N.W.	1		29.69	67	40	38		"	"	0	"	
3	"		"	Variable	0-1		29.69	67	40	38		"	"	0	"	
4	"		N.	S.E.	1		29.68	67	38	37		"	"	0	"	
5	"		W.S.W.	N.W.	1		29.68	67	40	38		bc	Ci nimb	2	"	
6	"		W.	"	2		29.65	68	40	38		"	Ci str	8	"	
7	"		S.W. by S.	Variable	0-1		29.67	68	40	38		"	"	6	"	
8	"		S.W.	Calm	0		29.69	68	41	39		"	"	6	"	
9	"		"	"	0		29.71	69	41	39		"	"	5	"	
10	"		E.	"	0		29.73	68	41	39		"	"	8	"	
11	"		"	"	0		29.74	67	41	39		"	"	6	"	
Noon.	"		N.W.	"	0		29.74	67	43	40		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

437 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1650 "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours 2 tons 520 lbs.

Coal remaining on hand at Noon 64 " 271 "

P. M.																
Anchored			N.S.W.	N.W.	2		29.70	67	42	40		bc	Cir str	5	8	
2			W.	N	2		29.70	66	43	40		"	"	5	0	
3			"	"	2		29.70	66	43	40		"	"	6	"	
4			W. by W.	"	2		29.70	65	43	40		"	"	8	"	
5			"	"	1		29.78	65	41	40		of	"	0	"	
6			W.S.W.	"	1		29.80	65	40	39		oc mo	Cum Nimb	0	"	
7			S.W.	"	1		29.81	65	40	39		bc m	"	6	"	
8			"	"	1		29.82	65	42	41		bc	Cir cum	9	"	
9			"	"	1		29.85	62	41	39		"	"	9	"	
10			"	"	1		29.87	63	41	39		"	"	11	"	
11			"	"	1		29.90	63	41	39		"	"	9	"	
Mid.			"	"	1		29.91	63	41	39		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. June 25th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and rainy. Light variable airs and calms. Barometer falling. Distilling. Aneroid at end of watch 29.78.
4 to 8 A.M. Lieutenant.

Cloudy and damp. Light breeze varying from W. to S.W. by S. Barometer rising. Distilling fresh water. Aneroid barometer at close of watch 29.76.
8 A.M. to Meridian. Master.

Clear overhead. Heavy banks of fog near horizon. Calms and light variable airs. At 9.30 slack water and at 10.00 finished sweeping to flood tide. A large bark rigged steamer passed bound to the E. At 10.00 pulse taken at quarters and Commanding Officer inspected ship and crew. At 10.30 loosed sail. Banked fires. Distilling. Aneroid 29.79: falling.
Meridian to 4 P.M. Lieutenant

Weather clear and pleasant. Light breeze from N.W. Barometer steady. Clouds cirro-stratus. Sent liberty party on shore. Banked fires. Furled sail at 3. and unbent the light sails.
4 to 6 P.M. Lieutenant

* Pleasant weather. Very light breeze from N.W. Barometer rising. Distilling fresh water. Aneroid barometer 29.88.
6 to 8 P.M. Master

* Clear first hour of watch, thick fog second hour. Barometer rising. Distilling water. Aneroid at end of watch 29.84.
8 P.M. to Midnight. Lieutenant

Clear, cool, pleasant. Light airs from N.W. Bright moonlight. Stopped distilling at 11.30. Sounding to 4fms during watch. Aneroid 29.90 rising
Lieutenant

Moon's mid Dec 14° 21' 44" S.
Phase, First Quarter.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Str. "Essex". 3d Rate, 6 Guns,

At anchor off Elizabeth Island. Straits of Magellan. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.E.N.	N.	1		29.90	59	38	37		bc	Str	9	8	
2	"		"	"	1		29.94	59	39	37		"	"	9	"	
3	"		N.	"	1		29.96	59	39	38		"	"	9	"	
4	"		"	N.N.	1		29.96	59	39	38		"	"	9	"	
5	"		"	"	1		29.97	60	39	38		b		10	"	
6	"		"	"	1		29.98	61	39	38		"		10	"	
7	"		"	"	1		30.00	62	38	37		bc	Cir Str	9	"	
8	Underway			"	1		30.03	62	39	39	39	"	"	8	"	
9	9	2		"	1		30.06	65	39	37	39	"	"	8	"	
10	9	4		N.N.W.	1		30.08	65	40	38	40	"	"	8	"	
11	9	0		"	1		30.07	69	42	40	40	"	"	8	"	
Noon	Anchored		N.×W.	N.×W.	2		30.01	69	43	40		"	"	9	"	

Distance run by Log since preceding Noon 27 knots 6 fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

437 Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 300 gallons.

Water distilled during the preceding 24 hours 850 "

Water remaining on hand fit for use at Noon 2550 "

Coal consumed during the preceding 24 hours 5 tons 2000 lbs.

Coal remaining on hand at Noon 56 " 951 "

P. M.														
1	Anchored	N.	N.	2	30.01	69	45	43		bc	Cir Str	9	8	
2	"	"	"	2	30.10	70	44	41		"	"	6	"	
3	"	N.×E.	"	1	30.10	68	44	41		"	"	5	"	
4	"	"	"	1	30.09	68	42	40		"	"	7	"	
5	"	"	"	1	30.06	68	42	40		"	"	8	"	
6	"	"	"	1	30.04	68	41	40		"	"	8	"	
7	"	"	"	1	30.04	68	41	40		"	"	8	"	
8	"	"	"	1	30.04	68	39	38		"	"	6	"	
9	"	N.N.E.	N.N.E.	3	30.00	69	42	39		occ	Cir	6	"	
10	"	"	"	2	30.00	66	42	39		bcm	"	5	"	
11	"	"	"	2	29.96	65	42	40		"	"	5	"	
Mid.	"	"	"	2	29.94	63	42	39		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday June 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer rising. Stratus clouds. Light breze from W. to W.N.W. Moon set at 11. Banked fires, Aneroid 30.02

4 to 8 A.M. Harl Hohen, Lieutenant

Clear and cool. Light airs from N.E. and N. Barometer rising. Called all hands up anchor at 7.30. Got underway and stood for Sandy Point. Aneroid at end of watch 30.10. Steam pressure 58 lbs. Revolutions 48.

8 AM to Meridian C. P. Rhodes Lieutenant

Clear and pleasant. Light breze from N.E. and N. Smooth sea. Barometer falling. Standing up Straits of Magellan for Sandy Point. under guidance of Commanding Officer. Went to quarters at 9.15. At 10h slowed down. At 10h 5m called all hands bring ship to anchor and at 11h 0m let go port anchor in harbor of Sandy Point in 10 fathoms of water veering to 60 fathoms on port chain. Cemetery cross bearing N. 1/2 E. Light house N.W. 1/4 N. Ships head N. W by N. By Order of Commanding Officer the following punishments were assigned:- Wm H. Sadler (O.S.) two days extra duty for neglect of duty. Jas H. Stewart (Os') 10 days extra duty for neglect of duty Wm Simpson (C.S.) 3 days extra duty for letting go ring bolt of anchor without orders. Banked fires. Aneroid barometer 30.08

Meridian to 4 P.M. W. McGinn Master

Clear cool delightful weather. Light breze from N. Ship swinging to wind. Made preparations for coaling.

4 to 6 P.M. Cunningham Keeney Lieutenant

Weather clear and pleasant. Barometer falling. Light airs from N. Bright moon and starlight. Received a lighter with coal alongside, and took in the latter, sending the former back to the coal hulk. Fires banked. Aneroid barometer 30.09.

6 to 8 P.M. Harl Hohen, Lieutenant

Weather clear and pleasant. Light airs from N. Barometer steady. Received 18 tons of coal in Steam Engineering Department. Aneroid at end of watch 30.07.

8 PM to Midnight C. P. Rhodes Lieutenant

Cloudy and misty. Light breze from N. N.E. Barometer falling. Aneroid barometer at the close 30.02.

W. McGinn Master

Moon's mid Examined and found to be correct.
Dec. 17° 26' 30" S.
Phase. First quarter.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor off Sandy Point, Straits of Magellan, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N×E.	W.	3		29.89	60	40	38		bc	Cu-nimb	2	S	
2	"		"	"	3		29.86	60	40	38		"	"	3	"	
3	"		"	"	3		29.86	58	40	38		"	"	3	"	
4	"		"	N N W.	3		29.86	57	40	37		oc	.	0	"	
5	"		"	N N E	4		29.80	57	40	38		"	"	0	"	
6	"		"	W.	5		29.76	57	40	39		"	"	0	"	
7	"		"	"	4		29.75	58	40	41		"	Cir-cumb	0	"	
8	"		N E×E.	"	3		29.75	60	42	41		bc	Cu-nimb	1	"	
9	"		.	"	2		29.78	62	42	40		oc	"	0	"	
10	"		N N E	"	2		29.74	65	45	43		ocdz	"	0	"	
11	"		"	"	2		29.74	65	45	43		"	"	0	"	
Noon.	"		"	"	2		29.74	65	45	43		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

437 Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 335 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2215 "

Coal consumed during the preceding 24 hours — 2 tons 520 lbs.

Coal remaining on hand at Noon — 54 " 1431 "

P. M.																
Anchored			E.N.E.	N E	1		29.80	65	44	42		ocf	nimbus	0	S.	
2	"		"	"	2		29.78	63	44	43		"	"	0	"	
3	"		N E×N	"	2		29.70	63	44	42		"	"	0	"	
4	"		"	"	2		29.68	69	44	42		"	"	0	"	
5	"		"	"	2		29.62	69	44	42		ocd	"	0	"	
6	"		N E.	"	2		29.62	70	46	44		"	"	0	"	
7	"		"	"	1		29.62	70	46	45		oc	"	0	"	
8	"		"	"	1		29.59	70	46	44		"	"	0	"	
9	"		N.	"	1		29.55	65	47	44		"	"	0	"	
10	"		N E.	"	1		29.57	67	46	44		ocr	"	0	"	
11	"		S E	"	1		29.52	62	48	44		oc	"	0	"	
Mid.	.		..	"	1		29.51	62	45	44		"	"	0	..	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A.H.W. Cornick, U. S. Navy,

Tuesday, June 27, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Cloudy last hour. Moderate breeze from N.E. backing to N.N.W. last hour and freshening. Aneroid 29.95.
4 to 8 A.M.
Wainwright-Kellogg Lieutenant

Weather overcast and cloudy. Fresh to moderate breeze from N.N.E to N.E. Clouds cumulus, nimbus, cirro-cumulus and cumulo-stratus. Fires banked. Aneroid barometer 29.86.
8 A.M. to Meridian.
Karl Rohrer, Lieutenant

Overcast with drizzling rain latter part of watch. Barometer falling. Mustered at quarters at 9.15. Received on board 17 tons Coal. Aneroid at end of watch. 29.82. The Commanding Officer left the ship at 10.30 to pay Official visit to authorities on shore.
Meridian to 4 P.M.
C. Rees Lieutenant

Light breeze from N.E. Overcast and cloudy with light drizzling rain. clearing a little occasionally. Continued coaling ship receiving on board about 23 tons. Barometer falling. Aneroid barometer 29.76.
4 to 6 P.M.
W. W. Dunn Master

Cloudy. Gloomy. Light breeze from N.E. Coaling ship first half hour of watch Aneroid 29.72
6 to 8 P.M.
Wainwright-Kellogg Lieutenant

Weather overcast and cloudy. Light breeze from N.E. Barometer falling. Nimbus clouds. Fires banked Aneroid barometer 29.68.
8 PM to Midnight.
Karl Rohrer, Lieutenant

Overcast with drizzling rain. Light airs from N.E. and E. A steamer from the S. came in and anchored at 9.45. Aneroid at end of watch 29.62.
C. Rees Lieutenant

Moon's mid. Dec. 19° 11' 09" S.
Phase First quarter.

Examined and found to be correct.
W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor off Sandy Point. Straits of Magellan. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.W.×S.	S.W.	1		29.50	60	46	44		oc m	nimb	0	S	
2	"		"	"	1		29.50	63	45	43		oc r	"	0	"	
3	"		"	"	1		29.50	63	45	43		oc m	"	0	"	
4	"		S×E.	"	1		29.56	63	45	43		"	"	0	"	
5	"		N.E×E.	E	1		29.56	63	46	44		"	"	0	"	
6	"		N.	N.E×E.	2		29.58	63	44	42		bc	circum	6	"	
7	"		N.N.E.	N.W.	1		29.63	65	44	42		"	"	6	"	
8	"		"	"	1		29.66	68	44	42		oc	"	0	"	
9	"		N.W.	"	2		29.64	69	43	42		bc	"	8	"	
10	"		"	N.×W.	2		29.66	69	43	42		"	cir	9	"	
11	"		"	"	2		29.67	69	44	42		"	"	9	"	
Noon.	"		N.N.W.	"	2		29.69	70	44	42		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

437 Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1885 "

Coal consumed during the preceding 24 hours — 1 tons 1860 lbs.

Coal remaining on hand at Noon — 153 " 811 "

P. M.															
Anchored		N.N.W.	N.N.W.	1		29.73	65	47	45		bc	cir	8	S.	
2	"	"	"	1		29.75	65	48	46		"	"	2	"	
3	"	"	"	1		29.77	65	48	46		"	"	1	"	
4	"	"	"	1		29.78	65	48	46		"	"	1	"	
5	"	"	"	1		29.72	65	45	43		"	"	1	"	
6	"	"	"	1		29.76	63	44	42		"	"	1	"	
7	"	"	"	1		29.80	65	44	42		"	"	1	"	
8	"	"	"	1		29.80	65	44	42		"	"	1	"	
9	"	"	"	1		29.80	67	44	42		"	"	1	"	
10	"	N.W.	W.	1		29.76	67	44	42		"	"	1	"	
11	"	S.S.W.	S.S.W.	1		29.81	68	43	41		oc	nimb cum	0	"	
Mid.	"	"	"	1		29.82	68	43	42		ocd	nimb	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. N. W. Cornick, U. S. Navy,

Wednesday, June 28th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Overcast cloudy and misty with light passing showers first part. Light breze from S.W. shifting to E^t. Barometer turning to rise. Aneroid barometer 29.64.

W.M. Sm
Master.

4 to 8 A.M.

Clear, cool, pleasant. Light variable airs. At 6. steamer went out. Aneroid low but rising. 29.70.

Wainwright Kellogg
Lieutenant

8 A.M. to Meridian.

Weather clear and pleasant. Barometer rising. Light breze from S by W. Clouds cirrus and cirro-cumulus. Received a lighter of coal alongside and discharged her. Fires banked. Aneroid 29.79. Mich^l H. Cox (1 C.) and Chas A. Lindner, 1 C.B. were given three days extra duty by order of Commanding Officer for shirking below while on anchor watch.

Hord Johnson
RR
Lieutenant

Meridian to 4 P.M.

Cloudy and cool. Light airs from N^e and N^d. Barometer rising. Coaling ship. The Governor of the territory paid an official visit to the ship. Aneroid at end of watch. 29.84.

A. P. Lee
Lieutenant

4 to 6 P.M.

Pleasant weather. Slightly misty. Barometer falling. Continued coaling ship. By order of Commanding Officer placed John Thompson, (Seaman) in double irons for using violent and abusive language to Officer of the boat and for drunkenness. Aneroid barometer at the close 29.86.

W.M. Sm
Master.

6 to 8. P.M.

Clear and pleasant. Light airs from N.N.W. At 6.45 finished coaling. Received on board 101 800/2240 tons. Aneroid rising 29.82 at end of watch.

Wainwright Kellogg
WK
Lieutenant

8 P.M. to Midnight

Weather overcast and cloudy. Drizzling rain in last hour of watch. Light airs from N.N.W. to S.S.W. Barometer rising slowly. Clouds cirrus and nimbus. Fires banked.

Hord Johnson
RR
Lieutenant

Moon's m'd
Dec. 21° 02' 30" S
Phase First quarter.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex." '3d Rate', ~~Rate~~, 6 Guns,

At anchor off Sandy Point, Straits of Magellan. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE	1		29.80	70	42	42		ocr	nmb	0	S	
2	"		"	"	1		29.80	70	42	42		oc	"	0	"	
3	"		"	"	1		29.80	70	42	42		"	"	0	"	
4	"		S.	"	1		29.80	72	41	41		"	"	0	"	
5	"		SSE.	"	1		29.80	73	43	42		"	"	0	"	
6	"		"	"	1		29.80	73	44	43		ocd	"	0	"	
7	"		SE×S	"	1		29.80	68	47	45		ocr	"	0	"	
8	"		"	"	1		29.80	68	48	45		"	"	0	"	
9	"		S	SSW.	1		29.76	63	48	45		"	"	0	"	
10	"		"	"	1		29.80	65	44	42		"	"	0	"	
11	"		"	"	1		29.78	67	44	42		"	"	0	"	
Noon.	"		"	"	1		29.78	70	48	43		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

437 Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1585 "

Coal consumed during the preceding 24 hours 2 tons 1920 lbs.

Coal remaining on hand at Noon 150 " 1131 "

P. M.																
Anchored			S	SSW.	1		29.75	70	41	42		ocd	nmb	0	S	
2	"		"	"	1		29.74	70	42	42		"	"	0	"	
3	"		"	"	1		29.75	71	42	42		"	"	0	"	
4	"		S×E.	"	1		29.70	72	42	42		"	"	0	"	
5	"		SSW.	"	1		29.74	72	43	42		"	"	0	"	
6	"		S.	"	2		29.67	62	43	42		oc	"	0	"	
7	"		S×W.	"	2		29.67	62	43	42		"	"	0	"	
8	"		"	"	1		29.67	62	43	42		"	"	0	"	
9	"		SSE.	"	1		29.71	62	43	42		ocd	"	0	"	
10	"		S×W	"	2		29.65	59	43	42		"	"	0	"	
11	"		"	"	1		29.67	58	43	42		"	"	0	"	
Mid.	"		"	"	1		29.64	58	43	42		ocr	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A.H. McCormick, U. S. Navy,

Thursday June 29th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and wet. Light breeze from S.S.E. Barometer steady. Aneroid at end of watch 29.88.

4 to 8 A.M. Lieutenant

Overcast and cloudy with light drizzling rain greater part of watch. Light airs from S.S.E. Barometer steady. Brought to the port chain at 7.30. Got in catamaran and secured boats for sea. Heavy banked fires. Aneroid barometer at close of watch 29.86.

8 A.M. to Meridian. Master

Thick, drizzling. Light airs from S.S.E. At 10. veered to 6o fathoms on port chain. Occasional light showers of rain. Aneroid 29.85.

Meridian to 4 P.M. Lieutenant

Weather overcast cloudy and rainy. Barometer falling. Nimbus clouds. Light breeze from S.S.W. A German steamer came into the Roads and anchored. Fires banked.

4 to 6 P.M. Lieutenant

Overcast. Light airs from S.S.W. Barometer falling. Aneroid at end of watch 29.79.

6 to 8 P.M. Lieutenant

Overcast and cloudy. Light breeze from S. and W. Barometer falling slowly. Aneroid barometer at the close 29.78.

8 P.M. to Midnight. Master

Overcast, foggy. Drizzling rain last hour raining hard. Light airs from S.S.W. Aneroid 29.75. Banked fires.

Lieutenant

Moon's mid. Examined and found to be correct.

Dec. 21° 08.' 24," S

Phase First quarter.

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor off Sandy Point, Straits of Magellan, S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchor			S × W	S × W.	1		29.62	58	42	41		occ r	nimb	0	8	
2	"		S.S.W	S.S.W.	1		29.60	58	42	41		ocd	"	0	"	
3	"		"	"	1		29.60	58	42	41		"	"	0	"	
4	"		"	S.W.	1		29.58	58	42	41		oc	"	0	"	
5	"		S × E.	S × E.	0-1		29.56	58	42	42		"	"	0	"	
6	"		"	"	1		29.56	60	44	43		"	"	0	"	
7	"		S.W	Calm	0		29.58	58	47	45		"	"	0	"	
8	Getting underway			N × W.	0-1		29.60	58	47	45	44	"	"	0	"	
9	4	6		S.	0-1		29.60	70	44	43	44	bc	Ci Cumu	1	"	
10	9	0		"	1		29.60	70	44	43	44	"	"	2	"	
11	9	2		"	1		29.60	70	44	42	44	"	"	2	"	
Noon.	9	4		"	1-2		29.60	68	44	42	43	"	"	3	"	

Distance run by Log since preceding Noon 31 knots 6 fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

437 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1285 "

Coal consumed during the preceding 24 hours 4 tons 1900 lbs.

Coal remaining on hand at Noon 1145 " 1471 "

P. M.																
	Standing in for St Nicholas' Bay.															
1				W	1		29.58	68	44	43	43	bcm	dis	4	8	
2			S W × W	N W	0-1		29.59	68	46	44		"	"	2	"	
3			W N W	"	1		29.58	65	45	44		"	"	1	"	
4			S. W.	"	1		29.58	65	48	44		ocd	nimbus	0	"	
5			W.	W × N.	1		29.57	62	47	44		"	"	0	"	
6			W × N.	"	1-3		29.59	63	46	44		"	"	0	"	
7			N.	W.	1-4		29.62	63	46	43		"	"	0	"	
8			"	"	1-4		29.62	65	48	42		bc	"	2	"	
9			W × N.	"	1-4		29.64	60	46	43		ocm	"	0	"	
10			"	"	1-3		29.66	68	48	42		"	"	0	"	
11			"	"	1-3		29.66	68	46	43		bcm	Cumo	2	"	
Mid.			N. W × W	N W × W	1-3		29.70	68	48	42		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A.S. McCormick, U. S. Navy,

Friday. June 30. , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 AM. Weather overcast. cloudy and rainy, but showing a disposition to clear up latter part of watch. Light airs from S.S.W to SbyW. Barometer steady at 29.60. Nimbus clouds. Fires banked. Aneroid barometer 29.72.

4 to 8 AM. Ward Robbins, KR Lieutenant

Weather cloudy and pleasant. Light airs from S and calms. Barometer rising. Called all hands up anchor at 7.30. Got underway at 8. and stood for St Nicholas bay. Aneroid at end of watch 29.74.

8 AM to Meridian E.P. Rees Lieutenant

Pleasant weather. Light airs from S. Rang four bells at 8.28. and during remainder of watch running for St Nicholas bay. under guidance of Commanding Officer. Put over patent log registering 15 miles. Went to quarters at 9.15. By order of Commanding Officer Jas Nolan Os. was given 30 days extra duty for attempting to smuggle liquors. E.P. Smallfield. 1Cl 15 days extra duty for being drunk on duty. John Thompson, Sea. confined in double irons to await trial by Genl Court-Martial for drunkenness on duty and insolence to boat officer F.B. Barnes. Lds was rated Painter (2 Cl.) from May 10. Fredk Christoffersen (Os) was rated Seaman from June 15; Herbert Hayes. (Lds) was rated Ordinary Seaman from June 15; and Wm Toole (Os E.F.) was rated 2 Cl Fireman from June 9. Aneroid barometer 29.68. Steam 60 lbs. Revs 49.2.

Meridian to 4 PM W.M. Simm Master

Cloudy with occasional breaks in the clouds. Misty around the tops of the mountains. Steaming under six boilers. At 12.12 changed course to S.S.W. at 12.20 to S.S.W 1/2 W. At 12.35 commenced steaming at half speed At 12.46 stood into St Nicholas bay. At 1. came to an chor in 10 fathoms of water and veered to 45 fathoms on port chain. Banked fires. West end of Sanchez Island N & 3/4 W. Glascott point S. Ships head W by N. Ships draft 14 ft forward 16 ft aft. Aneroid 29.68

4 to 6 P.M. L.O.R. W. Linningfelter Lieutenant

Weather overcast and cloudy. Drizzling rain. Light to gentle breeze from W by W. Barometer rising slowly. Nimbus clouds Fires banked. Aneroid barometer 29.72.

6 to 8 P.M. Ward Robbins, H.R. Lieutenant

Weather overcast. Wind blowing in fresh puffs from West. Barometer rising. Under banked fires. Aneroid at end of watch 29.74

8 P.M to Midnight. E.P. Rees Lieutenant

Cloudy and cool. Light airs with occasional fresh puffs from W.. Barometer steady. Fires banked. Aneroid barometer at the close. 29.78.

W.M. Simm Master

Examined and found to be correct.

Moon's mid. Dec. 19° 55' 41" S. Phase, First-quarter.

W. T. Parker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor in St. Nicholas Bay, Sts. of Magellan S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			W. by W.	N. W.	1-4		29.73	56	44	42		bcgm	cirs	6	8	
2	"		S x W.	" "	1-4		29.75	56	44	42		"	"	2	"	
3	"		S x E.	" "	1-4		29.75	56	44	42		"	"	2	"	
4	"		"	S S W.	1-4		29.79	55	44	42		"	"	2	"	
5	"		N.	N. W.	1-3		29.80	56	44	42		"	"	5	"	
6	"		N. E.	"	1-2		29.83	64	44	42		bcg	"	5	"	
7	"		"	"	1-3		29.87	64	43	37		bc	circum	5	"	
8	Standing out of Anchorage			"	4		29.87	64	43	37		"	"	5	"	
9	8	4		W x N.	6		29.90	61	43	39		"	circ str	6	"	
10	8	4		"	5-6		29.91	61	43	39		"	cir str	6	"	
11	8	4		"	5-6		29.92	62	43	39		"	"	6	"	
Noon.	8	4		"	5-6		29.92	62	43	40		"	"	6	"	

Distance run by Log since preceding Noon 33 knots 2 ~~fathoms~~

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

437 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 305 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 980 "

Coal consumed during the preceding 24 hours 7 tons 220 lbs.

Coal remaining on hand at Noon 138 " 1257 "

P. M.																
1	8	0			W x N.	5	29.90	57	42	38	39	bc	cir cum	6	8	
2	8	0			"	6	29.90	57	42	38	39	"	"	6	"	
3	2	4			"	2	29.93	57	43	39	39	"	"	5	"	
At anchor					W.	2	29.93	57	43	39	39	"	"	4	"	
5	Borja Bay		N. W.		"	2	30.00	65	43	39		"	"	3	"	
6			"		"	2	29.96	64	43	40		"	"	3	"	
7			"		"	2	29.96	66	43	40		"	"	6	"	
8			N. N. W.		"	1	29.96	65	43	40		"	"	3	"	
9			E.		Calm	0	29.96	68	44	41		oc	"	0	"	
10			"		"	0	29.96	69	44	41		"	"	0	"	
11			"		"	0	29.95	65	42	40		"	"	0	"	
Mid.			W.		"	0	29.95	65	42	40		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, July 1st, 1882.

U.S.S. "Essex." (3d Rate.)

July 1st 1882.

Sir:

We recommend that the following named 1st Class Boys be rated Ordinary Seamen of the 2d Class. viz: James H. Berry. Eugene S. Carr. John J. Chamberlain. Wm. Carvalliar. John R. Coban. Chas. Sloyd. Stephen S. Lawrence. Robt. C. Marett. Gustav Nagle. John P. O'Neil. Michl. H. Cox. Chas. A. Sindner. Edward B. Winslow. George H. Brightington. Timothy J. Clarke, and Robert E. Henry.

Very respectfully.

Wainwright-Kellogg, Lieut
Earl Rotmer, Lieut } Ex. Board.
C.P. Rees. Lieut

Commander.

A. H. McCormick. U.S.N.
Commanding.

hart of watch with
el banks of mist.
S.W. off the land. Brigto

og & Lieutenant
to moderate from
cumulus. At 6.50
and began steaming
into the straits
Aneroid barometer

Navl Cadet,
Lieutenant
uning alongside
ing the ship Musters
of Isaw Island bore
end of watch 30.00
Lieutenant
by N. first part
Sounds under
2.10 called all hands
let go port anchor
to 6 fathoms on
W/2 W. Isabel Point
close of watch 30.01
Wm. Simm Master
Ft., Banked fires
Lieutenant
water steady. Light
anked. Bright
ter 30.02.
Lieutenant
ight breaking
id at end of watch
Lieutenant

Moon's mid. Examined and found to be correct.
Dec 17° 25' 03" S
Phase. Full moon

W. T. Parker
Lieutenant & Navigator.

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. July 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear blue sky greater part of watch with frequent heavy passing banks of clouds. and occasional banks of mist. Light breeze with frequent moderate puffs from N.W. off the land. Bright moonlight. Aneroid 29.89. Banked fires.

4 to 8 A.M. Winningle-Kellogg Lieutenant

Weather clear and equally. Breeze light to moderate from N.W. Barometer rising. Clouds Cirrus and Cirro-cumulus. At 6.50 called "All hands up anchor" hove up the anchor and began steaming ahead at 7.30. standing out from the anchorage into the straits under steam, pressure 60 lbs and revolutions 66. Aneroid barometer 29.95. Braced the yards up by the port braces.

8 A.M to Meridian Lieutenant

Weather clear cool and equally. Running along mid channel to W., the Commanding Officer piloting the ship. Mustered at quarters at 9.15. At end of watch the eastern end of Dawson Island bore South (pc). distant about one mile. Aneroid at end of watch 30.00

Meridian to 4 P.M. Lieutenant

Cloudy and cool. Fresh breeze from N by W. first part. Light airs from W. latter part. Continued on course under guidance of the Commanding Officer. At 2.10 called all hands bring ship to anchor and slowed down. At 2.25 let go port anchor in Borja Bay in 16 fathoms of water veering to 60 fathoms on port bow. Rosario Point bearing (pc) S.S.W. 1/2 W. Isabel Point bearing E 3/4 S. Ships Head N by W. Aneroid at close of watch 30.01

4 to 6 P.M. Wm. Dunn Master

Clear and cool. Light breeze from W., Banked fires At 4.40. mustered at quarters. Aneroid 30.04.

6 to 8 P.M. Winningle-Kellogg Lieutenant

Weather clear and pleasant. Barometer steady. Light breeze from W., Clouds Cirro cumulus. Fires banked. Bright moonlight and starlight. Aneroid barometer 30.02.

8 P.M to Midnight. Lieutenant

Cloudy cool and calm. Moonlight breaking through the clouds. Barometer steady. Aneroid at end of watch 30.02.

Lieutenant

Moon's mid. Dec 17° 25' 03" S
Phase. Full moon

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making a passage from Montevideo, Uruguay, to Valparaiso, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	at anchor		S.	S E.	1		29.90	62	44	42		bc	cir. cum.	6	S.	
2	Borja Bay		"	"	1		29.90	60	43	40		"	"	6	"	
3	N. of Magellan		N N W.	"	1		29.90	57	40	38		"	"	5	"	
4	"		"	N. W.	1		29.86	57	42	40		"	"	2	"	
5	"		W.	"	1		29.86	56	44	39		"	"	2	"	
6	"		"	"	1		29.86	53	46	38		"	"	1	"	
7	"		N. N W.	"	1		29.86	63	46	38		oc	"	0	"	
8	"		N. W.	N. N. W.	1	2	29.88	65	41	39		"	"	0	"	
9	1	0	W. by N. ½ N.	N. W.	1		29.86	63	44	39		bc	cum nimb	1	"	
10	11	0	"	E	3		29.80	67	44	42		"	cir. cum	1	"	
11	10	5	"	E S E.	5		29.76	67	45	43		"	"	2	"	Forsail
Noon.	8 / 1 / 1	0 / 1 / 1	W. N. W. ½ N. / N W by W. ½ W.	"	4		29.74	68	47	43		"	"	1	"	F. Jobsail

Distance run by Log since preceding Noon 51 knots 1 ~~tenths~~

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

437 Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water distilled during the preceding 24 hours 1100 "

Water remaining on hand fit for use at Noon 1780. "

Coal consumed during the preceding 24 hours 9 tons 690 lbs.

Coal remaining on hand at Noon 129 " 561 "

P. M.															
1	10	2		E S E.	1	29.65	67	46	43		oo	circum	0	S	
2	Bay		Bay	"	1	29.60	65	45	42		"	"	0	"	
3	at anchor		S E × E.	E N E.	2	29.60	65	46	43		"	"	0	"	
4	"		E S E.	"	2	29.59	69	46	43		"	cum	0	"	
5	"		S E.	"	1	29.60	68	47	44		"	"	0	"	
6	"		"	"	1	29.60	68	47	44		bc	"	4	"	
7	"		"	"	1	29.64	68	47	44		"	"	3	"	
8	"		"	"	1	29.64	68	47	44		ocd	nimb	0	"	
9	"		N. W	W.	1	29.60	68	44	41		oc	"	0	"	
10	"		"	"	1	29.60	67	44	41		"	"	0	"	
11	"		N. W. by N	"	1	29.60	68	44	41		ocd	"	0	"	
Mid.	"		N W.	"	1	29.59	67	43	41		oc	"	0		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A H McCormick, U. S. Navy,

Sunday. July 2d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Pleasant weather. bright moonlight and starlight greater part of watch. Light airs from S.E. Barometer steady. Distilling. Aneroid barometer 29.98.

W.W. Smith
Master.

4 to 8 A.M.

Cloudy, cool. pleasant. Light mists on top of the hills. Light airs from N.W. At 7.45 called all hands, dp anchor, hove up port anchor and stood out of bay, steaming under six boilers. Aneroid 29.90.

Wainwright Keeney
Lieutenant

8 A.M. to Meridian

Weather somewhat cloudy but pleasant. Barometer falling. Light to fresh breeze from N.W. to E.S.E. Clouds cirro-cumulus, cumulus and nimbus. At 8.53 shaped course W by N 1/4 N, and at 11.30. changed it to W.N.W. and at 11.45 changed it to W.N.W 1/4 N. and at 11.50 to N.W by W 1/2 W. all by order of Commanding Officer. Under steam pressure 60 lbs and 57 revolutions. At 10.15 set foresail and fore topsail, and took them in and furled them at 11.30. Aneroid 29.78.

Ward Robbins
Lieutenant

Meridian to 4 P.M.

Weather cloudy and cool. Steaming in midchannel to N. and W. for anchorage under Cape Lamar. Called all hands bring ship to anchor at 1.55. At 2.15 came to with starboard anchor in 17 fathoms water and veered to 45 fathoms chain. Banked fires. Commenced distilling. Aneroid at end of watch 29.70.

Lieutenant

4 to 6 P.M.

Cloudy and cool. Light breeze from E.N.E. Barometer rising. A steamer passed bound to the E. Aneroid barometer at the close 29.68.

W.W. Smith
Master.

6 to 8 P.M.

Cloudy, pleasant. Light airs from E.N.E. Banked fires. Aneroid 29.68.

Wainwright Keeney
Lieutenant

8 P.M. to Midnight

Weather overcast. cloudy and rainy but improving somewhat latter part of watch. Light airs from N.E. Barometer steady. Nimbus clouds. Fires banked. Distilling water. Aneroid barometer 29.71

Ward Robbins
Lieutenant

* Bearings Anchorage Byron Pt. E. Malcom Pt. S.W 1/2 S.
Spencer Island (middle) S.W 3/4 W. S.H. 2.2 W.

Moon l. mid. Examined and found to be correct.
Dec. 13° 24' 12" S
Phase Full moon.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay to Valparaiso. Chili

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			W.	Calm	0		29.59	58	42	41		ocd	nimb	0	S.	
2	"		"	"	0		29.59	58	41	41		"	"	0	"	
3	"		"	"	0		29.59	57	41	41		"	"	0	"	
4	"		"	"	0		29.59	53	43	42		"	"	0	"	
5	"		S.W.	W.	1		29.60	56	43	42		ocdm	"	0	"	
6	"		S.W.×W.	"	1		29.60	55	43	42		"	"	0	"	
7	"		S.S.W	S.W.	2-4		29.60	60	44	43		ocgm	"	0	"	
8	"		W.S.W.	W×S.	2-4		29.60	62	45	44		"	"	0	"	
9	"		W×S.	"	3-6		29.64	65	45	43		"	"	0	"	
10	"		"	"	3-5		29.65	65	45	43		ocg	"	0	"	
11	"		"	"	3-5		29.64	65	45	43		"	"	0	"	
Noon.	"		W.	"	1		29.62	67	45	43		oc	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
437 Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water distilled during the preceding 24 hours	1220	"	
Water remaining on hand fit for use at Noon	2670	"	
Coal consumed during the preceding 24 hours	4 tons 1440	lbs.	
Coal remaining on hand at Noon	124 " 2061	"	

P. M.															
Anchored		E.N.E	N.NE	1		29.60	68	47	45		oc	nimb	0	S	
2	"	E.	"	1		29.58	68	47	45		"	"	0	"	
3	"	E.S.E	Calm	0		29.50	68	47	48		ocd	"	0	"	
4	"	"	"	0		29.48	69	48	46		oct	"	0	"	
5	"	N.E.	N.N.E.	1		29.45	65	46	44		"	"	0	"	
6	"	NE×E.	E.	2		29.39	66	46	43		"	"	0	"	
7	"	"	N.E	1		29.36	65	46	44		"	"	0	"	
8	"	"	"	0-1		29.34	64	46	44		"	"	0	"	
9	"	"	"	0-1		29.30	65	46	44		"	"	0	"	
10	"	"	"	0-1		29.28	67	48	44		"	"	0	"	
11	"	"	"	1		29.27	67	46	44		"	"	0	"	
Mid.	"	E.N.E	"	1		29.26	66	46	48		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A.H. McCormick, U. S. Navy,

Monday, July 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast with light drizzling rain. Calm. Barometer steady. Stopped distilling. Aneroid at end of watch 29.78
4 to 8 A.M. J. Sykes Lieutenant.

Overcast cloudy and rainy with light mist. Light breeze from W^d first part, hauling to N.W. then back to W.S.W. with heavy squalls latter part. Barometer steady. Fires light banked. Aneroid at the close 29.72. W M Simms
8 A.M. to Meridian. Master.

Overcast, foggy and rainy first part of watch. Clearing weather latter part of watch. Strong breeze blowing in puffs from W by N first two hours; moderate to light airs at end of watch. At 8.50 let go port anchor and veered to 30 fathoms also to 60 fathoms on starboard chain. At 9.15 mustered at quarters. The following named men were given extra duties: viz: R.C. Marett. (1CB) ten days for stowing away while on anchor watch, Fred^k E. Dearing (OS 2CL) five days for having wet clothes not being on clothes line and William Simpson (CB) three days for the same offence, all by order of Commanding Officer. Banked fires. Aneroid 29.90.
Meridian to 4 P.M. W Simms-Kellogg Lieutenant.

Weather overcast, cloudy and damp. Calms and light airs from E & N.E. Nimbus clouds. Barometer falling. Fires banked. Aneroid at end of watch 29.57.
4 to 6 P.M. Thos Parker Lieutenant.

Overcast with drizzling rain. Light airs from N^e and E^e. Barometer falling. Aneroid at end of watch 29.52.
6 to 8 P.M. C.H. Sykes Lieutenant

Overcast. cloudy and rainy. Light breeze from N. N.E. shifting to E^e. Barometer falling. Aneroid 29.47. W M Simms
8 P.M. to Midnight. Master

Overcast. Heavy rain. Light airs from N.E. Banked fires. Aneroid low and falling slowly. 29.39 at end of watch.
W Simms-Kellogg Lieutenant

Moon's mid Dec. 9° 18' 12" S. Phase Full moon

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay. to Valparaiso. Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N × E.	N.	3-5		29.26	66	47	46		ocqr	nimb	0	8	
2	"		"	"	3-5		29.29	66	47	46		"	"	0	"	
3	"		"	"	3-7		29.29	65	48	46		ocq	"	0	"	
4	"		"	"	3-8		29.30	65	48	46		"	"	0	"	
5	"		"	"	3-8		29.30	67	48	46		"	"	0	"	
6	"		"	"	3-9		29.30	67	48	46		ocqp	"	0	"	
7	"		"	"	3-7		29.31	69	49	46		ocq	"	0	"	
8	"		"	"	3.6		29.31	60	48	46		"	"	0	"	
9	"		"	"	3.7		29.38	64	48	46		ocqr	"	0	"	
10	"		"	"	3.8		29.40	67	48	46		ocqp	"	0	"	
11	"		N. & N.	"	3.6		29.42	67	47	45		"	Cumi mixed	0	"	
Noon.	"		N.	"	3.7		29.42	67	47	45		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

437 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2340 "

Coal consumed during the preceding 24 hours 2 tons 420 lbs.

Coal remaining on hand at Noon 122 " 1641 "

P. M.														
Anchored	"	N	N.	3.6	29.44	65	47	45	ocqr	nimbus	0	8		
2	"	"	"	3.7	29.45	65	46	44	bcq	"	1	"		
3	"	N & W.	"	3.7	29.46	66	47	45	ocqr	"	0	"		
4	"	N.	"	3.6	29.48	67	47	45	"	"	0	"		
5	"	"	"	3.5	29.51	68	46	44	"	"	0	"		
6	"	"	"	3.5	29.50	68	46	43	"	"	0	"		
7	"	"	"	1-3	29.50	67	48	44	bcq	"	3	"		
8	"	N. W.	"	2	29.58	65	48	44	"	"	4	"		
9	"	"	"	1-3	29.48	66	46	44	"	Cumus	6	"		
10	"	S E × E.	"	2	29.44	61	46	44	bc	"	4	"		
11	"	E & E.	"	2	29.40	63	47	44	"	"	2	"		
Mid.	"	E.	"	1	29.37	63	47	44	oc	Cumi mixed	0	"		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, July 4th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather overcast and squally. Wind varying in force from a gentle breeze to a fresh gale from the N.E. Barometer rising slowly. At 1. let go port anchor, and veered to 90 fathoms on starboard chain. veering to 60 fathoms on the port one. Fires banked, Aneroid barometer 29.46.
4 to 8 A.M. Lieutenant.

Overcast squally and rainy. Wind from N.E. Barometer beginning to rise. Aneroid at end of watch 29.50. At six dressed ships in honor of the day.
8 A.M. to Meridian C.P. Rees Lieutenant

Generally cloudy and unpleasant, clearing occasionally. Light passing showers. Fresh breeze with frequent squalls from N.E. Barometer rising. Fires banked Aneroid barometer 29.54.
Meridian to 4 P.M. W.M. Smith Master.

Overcast. Blowing a moderate gale with frequent strong puffs with rain from West. Banked fires. Aneroid rising slowly 29.68.
4 to 6 P.M. Wm. Jr. Kellogg Lieutenant

Weather overcast squally and rainy. Breeze fresh in squalls from N.E. Barometer slowly rising. Nimbus clouds. Fires banked. Aneroid barometer 29.60.
6 to 8 P.M. [illegible] Lieutenant

Cloudy with passing showers at beginning of watch afterwards clear and pleasant. Light to moderate breeze from N.E. Barometer steady. Aneroid at end of watch 29.60.
8 P.M. to Midnight. C.P. Rees Lieutenant

Generally cloudy. clearing some occasionally. Light breeze from W.S.W., Barometer falling. Owing to the flood at 9.30 Aneroid barometer 29.52. W.M. Smith Master.

Moon l. mid. Examined and found to be correct.
Dec. 4° 17' 33. S
Phase Full.

W. D. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay to Valparaiso. Chili. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			E.N.E	N.E.	2		29.32	61	48	44		ocqmi	cumb.	0	S.	
2	"		"	"	2.5		29.30	62	48	44		"	"	0	"	
3	"		"	"	2.6		29.24	58	47	43		"	"	0	"	
4	"		N.E.	"	3.6		29.24	59	47	43		"	"	0	"	
5	"		"	NNE	1-3		29.17	60	45	42		ocqfr	"	0	"	
6	"		"	"	2.5		29.13	60	45	42		"	"	0	"	
7	"		"	"	2-3		29.10	60	46	42		ocfr	"	0	"	
8	"		"	"	2-3		29.10	60	45	42		"	"	0	"	
9	"		"	"	1		29.09	62	45	42		"	"	0	"	
10	"		S.	Variable	1		29.06	65	45	42		"	"	0	"	
11	"		"	"	1-2		29.06	65	46	43		"	"	0	"	
Noon.	"		W.	"	1-2		29.06	64	46	44		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2010 "

Coal consumed during the preceding 24 hours 2 tons 920 lbs.

Coal remaining on hand at Noon 120 " 720 "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
Anchord			N.W.	N.W.	2-4		29.04	63	46	43		ocqfr	cumb.	0	S.	
2	"		"	"	2-4		29.00	63	46	43		bcqfr	"	2	"	
3	"		W.	"	2-4		29.00	63	45	42		ocqr	"	0	"	
4	"		"	"	1-3		29.00	64	45	43		"	"	0	"	
5	"		N.W	"	1-3		29.00	67	45	43		"	"	0	"	
6	"		"	"	2-3		29.04	67	44	43		ocr	"	0	"	
7	"		"	"	2-5		29.05	67	44	43		"	"	0	"	
8	"		"	"	2-3		29.02	68	44	43		"	"	0	"	
9	"		N.	"	2		29.00	62	44	45		ocd	"	0	"	
10	"		"	Variable	1-4		28.98	62	45	44		"	"	0	"	
11	"		W.N.W.	W.N.W.	1-6		28.98	59	44	43		"	"	0	"	
Mid.	"		N.W.	"	1-9		28.96	57	44	43		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A.H. McCormick, U. S. Navy,

Wednesday, July 5th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Strong puffs of wind from N.E. Heavy rain. Banked fires. Aneroid low and falling. 29.46 at end of watch. Clear hawse.

4 to 8 A.M. Wainwright Kellogg Lieutenant

Weather overcast equally and damp. Barometer low. Brize light to fresh squalls from N.N.E. Nimbus clouds. Fires banked.

8 A.M. to Meridian. Lieutenant

Weather overcast and rainy. Brize light, variable and fitful, steadying and freshening from N.E. and N. towards end of watch. Barometer low and steady. Cleared hawse of elbow at 11.00. Aneroid at end of watch 29.20

Meridian to 4 P.M. Lieutenant

Overcast and cloudy with steady rain. Light breze from N.W. with frequent moderate squalls. Barometer falling. Fires banked. Aneroid steady at close at 29.18.

4 to 6 P.M. Master.

Overcast. Heavy showers of rain. Moderate breze from N.W. Aneroid very low but steady. 29.18 at end of watch. Clear hawse.

6 to 8 P.M. Wainwright Kellogg Lieutenant

Weather overcast and squally. Brize varying in strengths from N.W. Barometer fell from 29.65 to 29.02 during watch. Fires banked. Aneroid barometer 29.18.

8 P.M. to Midnight. Lieutenant.

Overcast equally and rainy. Low barometer. Wind from S. and W. Aneroid at end of watch 29.18.

Lieutenant.

Moon 1 mid. Examined and found to be correct.
Dec 0° 54' 53" N
Phase Full.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay. to Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.W.	W.N.W	2-3		29.00	55	43	41		ocqo	nimbus	0	S.	
2	"		"	"	2-3		28.97	53	43	41		"	"	0	"	
3	"		W.N.W.	"	3-4		28.95	53	43	41		"	"	0	"	
4	"		W.	"	3-4		28.95	53	43	41		"	"	0	"	
5	"		N.W.	"	3-6		28.94	53	42	40		"	"	0	"	
6	"		"	"	3-6		28.92	52	42	40		"	"	0	"	
7	"		"	"	3-6		28.90	53	43	41		"	"	0	"	
8	"		"	"	3-6		28.90	63	46	41		"	"	0	"	
9	"		"	"	3-4		28.96	68	43	41		oct	"	0	"	
10	"		N.N.W.	W.	3-4		28.97	71	43	41		"	"	0	"	
11	"		W.	"	3-5		28.96	72	43	41		bcp	"	2	"	
Noon.	"		"	"	3-7		28.98	69	43	41		bcqp	"	2	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	310 gallons.	
Water distilled during the preceding 24 hours	700 "	
Water remaining on hand fit for use at Noon	2400 "	
Coal consumed during the preceding 24 hours	2 tons 1/20 lbs.	
Coal remaining on hand at Noon	118 " 301 "	

P. M.																
Anchored		W.N.W.	W.	3-5		28.98	65	44	42		bcqp	nimbus	3	S.	
2	"	"	"	3-6		28.98	68	44	42		"	"	4	"	
3	"	"	"	3-6		28.98	70	44	42		"	"	4	"	
4	"	"	"	2-4		28.99	70	44	42		bcw	"	2	"	
5	"	"	W.S.W.	2-4		29.00	66	44	41		"	ci cum	5	"	
6	"	"	"	2-4		29.00	67	44	41		"	"	4	"	
7	"	"	"	2-4		29.00	67	44	40		"	"	6	"	
8	"	"	"	2-4		29.00	67	44	40		"	"	7	"	
9	"	"	"	2-5		29.02	67	44	40		bcp	cum nimb	9	"	
10	"	"	W	2-5		29.03	67	42	40		bcqp	"	9	"	
11	"	"	"	3-7		29.04	64	42	40		"	"	6	"	
Mid.	"	"	"	4-7		29.05	63	42	40		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday July 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and rainy. Moderate breze with frequent squalls from N.E. and W. Barometer falling. Aneroid at close. 29.15.
W.M. Smith Master.

4 to 8 A.M.
Overcast. Raining heavily during entire watch. Occasional strong gusts of wind from N.E. coming from over the land. Banked fires Aneroid very low and falling slowly. 29.14 at end of watch.
Wainwright Kellogg Lieutenant

8 A.M. to Meridian.
Weather unsettled and squally. Breze fresh in squalls from W.N.W. Barometer steady and low, showing a tendency to rise. Passing showers of rain at intervals. Veered to 90 fathoms on starboard chain. Commenced distilling water at 9. Fires banked. Aneroid barometer 29.15.
Karl Rohrer, Lieutenant.

Meridian to 4 P.M.
Weather partly cloudy and cool. Wind blowing in moderate puffs from W.N.W. Barometer steady. Aneroid 29.13.
C. H. Lee Lieutenant

4 to 6 P.M.
Cloudy and misty. Light breze from W.N.W. Barometer rising Aneroid 29.15.
W.M. Smith Master.

6 to 8 P.M.
Clear and cool. Clearing weather. Moderate puffs from W.S.W. Aneroid low and steady at 29.18. Fires banked.
Wainwright Kellogg Lieutenant

8 P.M. to Midnight.
Weather squally. Occasional showers of rain. Breze stiff in squalls from W.S.W. to West. Barometer rising slowly. Fires banked. Stopped distilling at 10. Aneroid barometer 29.21.
Karl Rohrer, Lieutenant

Moon l. mid.
Dec. 6° 00' 27" N
Phase Full.

Examined and found to be correct.

W. T. Sampson Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay to Valparaiso. Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	N.	3-7		29.05	60	42	40		bcqp.	nimb	1	S.	
2	"		"	"	3-7		29.05	57	42	40		"	"	1	"	
3	"		"	"	5		29.06	57	42	40		bc.	cum	3	"	
4	"		"	"	4-5		29.10	58	43	40		ocqp	nimb	0	"	
5	"		"	"	5		29.10	61	43	40		bc	cicum	3	"	
6			"	"	4		29.15	61	43	40		"	"	6	"	
7			"	N.N.W.	4		29.15	62	43	40		"	"	3	"	
Getting			"	"	4		29.16	70	43	41		bcm	"	3	"	
Underway			S x W.	"	4		29.16	70	43	41	43	"	"	3	"	
10	8	0	W ½ N.	W.	4		29.16	64	43	41	43	"	"	6	"	
11	8	4	"	N.	4		29.16	60	43	41	43	oc.	"	0	"	
Noon.	4/4	0/5	W ¾ N.	"	4		29.12	55	43	42	43	bcq	"	1	"	

Distance run by Log since preceding Noon	24 knots	9 tenths	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	2400	gallons.	
Water distilled during the preceding 24 hours	600	"	
Water remaining on hand fit for use at Noon	2690	"	
Coal consumed during the preceding 24 hours	6 tons	60	lbs.
Coal remaining on hand at Noon	112 "	2140	"

P. M.														
	Standing in for													
1	Anchorage		N.N.W.	4	29.13	58	43	41	ocN	ci cu nimb	0	S.		
Anchored		N x S	"	2-6	29.13	60	44	41	bcqh/s.	"	6	"		
3		W S W	"	2-5	29.14	65	44	41	"	"	2	"		
4		"	"	2-6	29.18	65	44	40	bcq/s	"	2	"		
5		N x N.	"	2-4	29.19	66	41	39	ocq/r	nimb	0	"		
6		"	"	1-3	29.17	68	43	39	bcq/rh	cum nimb	3	"		
7		"	"	1-2	29.17	68	43	40	bcq/r	"	2	"		
8		N.W.	"	1-3	29.16	67	43	41	ocq r	"	0	"		
9		N.E.	"	1-3	29.14	66	42	40	"	"	0	"		
10		"	"	1-3	29.14	64	42	40	"	"	0	"		
11		"	"	1-3	29.11	61	41	38	"	"	0	"		
Mid.		"	"	2-4	29.12	60	40	38	"	"	0	"		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A.H. McCormick, U. S. Navy,

Friday, July 7th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and squally with passing showers. Wind from N.E. Moonlight showing through the clouds. Barometer low, and nearly steady. Aneroid at end of watch 29.23.

4 to 8 A.M. Lieutenant

Overcast and cloudy first hour, clearing remainder of watch. Light breeze with occasional squalls from N.E. Barometer rising. At 7.25 called all hands unmoor ship, hove in 15 fathoms on starboard chain, then brought to port chain and hove up port anchor. Brought to starboard chain. Aneroid barometer at close 29.28. Spread fires under 6 boilers at 7.30.

8 A.M. to Meridian. Master.

Overcast with occasional breaks in the sky. Frequent heavy showers of rain. Stormy weather. Hove up starboard anchor and stood out of Tamar harbor at 8.48. Stood on S by W. course until 9.20. then changed to W½N. At 11.23 changed course to W.¾N. Moderate breeze from N to N.N.W. freshening at end of watch. Long moderate swell from N.E. Standing out of Straits. At 12. Tuesday bay bore abeam. Aneroid steady at 29.30. Steaming under 6 boilers.

Meridian to 4 P.M. Lieutenant

Weather squally. Passing showers of rain and hail. Light fresh breeze from W.S.W. Barometer rising slowly. Clouds cirro-cumulus and nimbus. At 2.30 put the helm to starboard and saw in for Tuesday bay. Desolation Island. Came to anchor at 1.30. in 2½ fathoms of water, letting go both anchors and veering to 60 fathoms on starboard chain and 45 fathoms on port chain. At 1.35 housed topgallant masts. Banked fires. Bearings of anchorage (p.c.) Islet N.E by E. left hand point of entrance E by N. right hand point of entrance to basin S.W. the ship heading S.W. By order of Commanding Officer. John Thompson (Sea) was released from confinement in double irons and placed prisoner at large, awaiting trial by G.C.M.

4 to 6 P.M. Lieutenant

Overcast squally and rainy. Barometer nearly steady. Mustered at quarters at 4.45. Aneroid 29.30.

6 to 8 P.M. Lieutenant

Cloudy and showery. Moderate breeze from S. and W. with occasional squalls. Barometer falling. Aneroid barometer 29.30.

8 P.M. to Midnight Master.

Overcast, gloomy, threatening. Frequent heavy showers of rain and sleet. Light to breeze with occasional strong puffs from N.W. Banked fires. Cleared hawser. Aneroid low but steady at 29.29.

Lieutenant.

Moon's mid. Examined and found to be correct.

Dec. 10°34'58" N.

Phase, Last quarter.

Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chili S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		W.S.W.	W.S.W.	1-3		29.12	60	42	41		o c p	nimbus	0	8.	
2			"	"	1-2		29.11	60	42	40		"	"	0	"	
3			"	"	2-6		29.15	60	42	39		b c p g h	"	0	"	
4			"	"	3-7		29.16	60	42	39		o c p g	"	0	"	
5			S.W	S.W.	2-7		29.16	57	41	39		"	"	0	"	
6			"	"	2-5		29.18	58	41	39		b c g	"	3	"	
7			W.	W.S.W.	2-4		29.19	53	41	39		"	"	1	"	
8			"	"	1-3		29.22	59	41	39		b c p	cir cumu	6	"	
9			"	"	2		29.23	65	43	39		"	"	6	"	
10			"	"	2		29.23	62	43	39		b c	cir cumb	4	"	
11				"	2		29.23	58	43	39		"	"	3	"	
Noon.	6	6		W.N.W	2-4		29.22	63	42	40		o c p	nimb	0	L	Steam

Distance run by Log since preceding Noon	6 knots 6 ~~fathoms~~	
Latitude by D. R. at Noon	52 ° 41 '	" S
Longitude by D. R. at Noon	74 ° 40 '	" W
Latitude by Observations at Noon ⊙	° '	"
Longitude by Chronometer from Forenoon Observations ⊙	° '	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° '	"
Variation of the Compass by Azimuth ⊙ observed at	° '	"
Water expended during the preceding 24 hours	310 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	2380 "	
Coal consumed during the preceding 24 hours	4 tons 1840 lbs.	
Coal remaining on hand at Noon	107 " 621 "	

	P. M.															
	1	1	5	W×S	N.N.W.	2-4	29.18	63	62	40	46	o o g r	cir nimb	0	8	
	2	8	4	"	"	3-6	29.15	63	62	40	46	b c g m	"	1	"	Set all fore & aft sail.
S 52° 39 W 75° 00	3	8	8	"	N.W.	3-7	29.17	57	40	38	46	o c g r	"	0	"	
	4	8	8	"	"	3-7	29.17	55	40	38	46	"	"	0	"	
	5	8	5	"	"	3-5	29.14	56	40	39	46	"	"	0	"	
	6	8	0	"	W×S.	4	29.15	56	42	40	46	"	"	0	L	Took in fore & aft sail
S 52° 32 W 76° 21	7	8	0	"	S.S.W.	4	29.25	56	38	37	46	"	"	0	M	Set jib. M topsail. L mast clewsail & storm trysail
	8	8	0	"	"	4	29.25	56	39	38	46	b o d	"	1	"	
	9	8	4	W×N.	"	5	29.30	52	41	39	46	b c	"	6	"	Took in jib. Set 2d storm stay.
	10	7	0	"	"	3-5	29.36	50	41	39	46	b o g	"	2	"	
	11	6	4	"	SW×S	3-4	29.38	50	42	39	46	"	"	5	"	Took in L mast stay sail
	Mid.	6	0	"	S.W.	3-5	29.48	50	42	39	46	b c g f r	"	4	"	F storm stay & M. try sail

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, July 8th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather squally and unsettled. Barometer rising slowly. Breze light to fresh from N. E. N. Squalls of wind, hail and rain at intervals. The moon and some stars visible at times. Fires banked. Aneroid barometer 29.30.

4 to 8 A.M. Carl Schuck, Lieutenant

Overcast squally and rainy first part of watch. afterwards clearing with rising barometer. Wind from N and W. Aneroid at end of watch 29.34. Called all hands up anchor at 8.

8 A.M to Meridian. [illegible] Lieutenant

Cloudy and cool first part overcast and showery last hour. Light breze from N. E. N. hauling to N. N. W. and freshening. Barometer steady. Sent up topgallant masts at 8. then unmoored ship. Hove up and secured first port anchor then starboard anchor. At 10.55 rang one bell and started ahead shaping course out of the straits. rang four bells at 11.44. Aneroid barometer 29.36. W. W. [illegible]

Meridian to 4 P.M. Master

Overcast Gloomy, Moderate breeze from N. W. Long ground swell from W. At 12.48. Cape Pillar bore (Pc.) S. S. E. 1/2 E. Took departure Set course N by E. ship making eight knots. Set all fore and aft sail. Steaming under six boilers. Aneroid steady at 29.35. Raining and snowing heavily during watch. Warington [illegible] Keeney

4 to 6 P.M. Lieutenant

Weather squally and rainy. Breze gentle to fresh from N. W. to N by E. Barometer steady. Clouds, cumulus and nimbus. The wind coming out ahead, took in fore and aft sail. and braced the yards around by the starboard braces. Under steam pressure 58 lbs and 52 revolutions. Aneroid barometer 29.37.

6 to 8 P.M. Carl Schuck, Lieutenant

Weather generally overcast, and rainy. occasionally clear overhead. Barometer steady. Aneroid rising. Set jib for topmast staysail, main trysail and storm mizzen at 7.40. Aneroid at end of watch 29.44. Steam pressure 53 lbs. Revolutions 58.

8 P.M to Midnight. [illegible] Lieutenant

Weather variable, alternately clearing and clouding over. Moderate breze from S. W. with occasional squalls. hauling to W. last hour. Took in fore and aft sail. Steam 53.5 lbs. Revs. 58. Aneroid barometer 29.60. W. W. [illegible]

Master.

Moon's mid. Dec. 14° 46' 28" N. Phase, Last quarter

Examined and found to be correct.

W. N. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	W×N	S.W.	3.6		29.46	52	42	39	46	o c g h	nimb	H	W	Steam
2	6	0	"	"	3.6		29.48	50	42	39	46	"	"	4	"	
3	6	4	"	"	3.6		29.48	49	42	39	46	"	"	3	"	
4	6	8	"	"	3.6		29.51	48	41	39	46	"	"	7	"	
5	6	8	"	W×N.	3.6		29.50	48	42	40	46	"	"	6	"	
6	6	0	"	"	4-5		29.50	48	43	41	46	"	"	7	"	
7	6	0	"	"	4-5		29.46	50	43	41	46	"	"	1	"	
8	6	8	"	N.W.	4-5		29.49	50	43	41	46	o c g d	"	0	"	
9	4 3	0 0	W.	N.W.×N.	4-7	1	29.40	62	43	42	46	o c g r	"	0	"	Set m. topsail & l. mast of storm stay sails.
10	6	4	"	N.W.×W.	4-7	1	29.39	64	44	43	46	o c g z	"	0	"	
11	4	8	"	W.N.W.	5-6	2	29.39	64	45	44	46	"	"	0	"	Took in all fore sail
Noon.	3	0	"	W×N.	5-6	2	29.37	65	45	44	46	"	"	0	"	

S 51..44 W 78°17

4336

Distance run by Log since preceding Noon 159 knots 0 tenths

Latitude by D. R. at Noon 51 ° 38 ' 54 " S

Longitude by D. R. at Noon 78 ° 47 ' 00 " W

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2070 "

Coal consumed during the preceding 24 hours 17 tons 2220 lbs.

Coal remaining on hand at Noon 89 " 661 "

P. M.															
1	2	8	W.	W×N.	5-6	29.30	55	46	45	46	o c g r h	nimb	0	L	
2	2	6	"	W.	5-6	29.30	55	47	45	46	"	"	0	"	
3	2	6	"	"	5-6	29.30	55	47	45	46	o c g r	"	0	"	
4	2	6	"	"	5-6	29.30	55	47	45	46	"	"	0	"	
5	4	0	"	"	5-6	29.33	57	46	44	45	"	"	0	"	
6	1 1	5 5	W.N.W.	"	5-6	29.30	58	47	46	45	"	"	0	R	
7	3	0	"	N.N.W.	4-7	29.30	64	47	46	45	"	"	0	"	
8	3	0	"	"	5-7	29.30	61	47	46	45	"	"	0	"	
9	2	6	"	N.W.×W.	8	29.29	60	47	46	45	"	"	0	"	
10	2	0	"	"	8	29.25	58	47	46	45	"	"	0	"	Set on topsail. Fl mast of storm stays and storm rigging.
11	2	4	"	"	7	29.24	57	45	44	44	o c g	"	0	"	
Mid.	3	0	"	W.	7	29.28	56	45	44	44	b c g	"	4	"	

S 51-23 79-22

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, July 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool with occasional light falls of snow and hail. Fresh breeze from W.S.W. Moderate sea. Ship pitching easily. Moon arose at 3. Steaming under six boilers. Aneroid 29.69. rising slowly.

4 to 8 A.M. Watch and Division Officer Lieutenant

Weather unsettled but not altogether unpleasant. Barometer about steady, manifesting a tendency to fall. Breeze gentle to fresh from W by S. to N.W. Moderate sea. Under Steam pressure 58 lbs and 49.3 revolutions. At 6. Hauled braced around the yards by the port braces.

8 A.M to Meridian. Watch and Division Officer Lieutenant

Overcast equally. rainy ugly weather. Barometer falling. Wind varying from N.W to W by N. Changed course at 8.40 to West and set fore and aft Sail. Took them in at 10.3a Hauled out the chains. Aneroid barometer at end of watch 29.50.

Meridian to 4 P.M. Officer of the Deck Lieutenant

Gloomy cold disagreeable weather. Light rain greater part of watch accompanied with hail first part. Wind fresh and squally from W. Barometer steady Aneroid barometer 29.50.

4 to 6 P.M. Navigator Master

Overcast. Gloomy. Raining heavily last part of watch Rough broken sea, from W. by N. At 5.26 changed course to N.W. at 5.40 changed course to N.W by W. Steaming under four boilers. Aneroid falling 29.47.

6 to 8 P.M. Watch and Division Officer Lieutenant

Weather unsettled and threatening. Stiff squalls and passing showers of rain from W.S.W. Sea rough, and ship riding easily. Under steam 4 boilers making about 9 Knots with 46 lbs pressure and 38 revolutions per minute. Wind varying from moderate breeze to moderate gale. Aneroid barometer 29.46. Barometer steady at 29.30.

8 P.M to Midnight. Watch and Division Officer Lieutenant

Overcast equally and rainy during greater part of watch. Clearing last hour with rising barometer. Changed course at 11.45 to N.W and set fore and aft Sail. the patent log registering 11½ miles Aneroid at end of watch 29.48.

Officer of the Deck Lieutenant

Moon's mid. Examined and found to be correct.
Dec 17° 58' 14". N.
Phase Last quarter

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay. to Valparaiso. Chile.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	0	N.W.	West	7.8		29.30	54	46	44	45	ocqd	nimb	0	M	Storm sail. M. trysail
2	4	8	"	"	7.8		29.30	54	46	44	45	oeqr	"	0	"	F'Sail stay sail and
3	5	0	"	"	4.6		29.35	53	46	44	45	beqr	"	3	"	Storm stay sail.
4	5	2	"	"	4.7		29.35	53	46	44	45	bcqm	Cumnimb	3	"	
5	4	0	"	W+S.	4.7		29.40	52	45	43	45	ocqm	"	0	"	
6	5	0	"	"	4.7		29.41	52	45	43	45	beqr	"	4	"	
7	6	0	"	"	4.6		29.42	53	45	43	45	"	"	4	"	
8	5	4	"	"	4.5		29.44	57	46	44	45	bcq	cirnimb	4	"	
9	5	0	"	W×N.	4		29.45	60	46	44	45	ocd	nimb	0	"	
10	4	0	N.W×N.	"	4		29.45	67	46	44	45	"	"	0	"	
11	4	5	"	"	4		29.45	68	46	44	45	"	"	0	"	
Noon.	5	0	"	N.W.	3		29.46	70	47	45	45	"	"	0	"	Took in all sail

Distance run by Log since preceding Noon 94 knots 0 tenths

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon 50° 25' 00" S

Latitude by Observations at Noon ⊙ 80° 05' 00" W

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1760 "

Coal consumed during the preceding 24 hours 11 tons 360 lbs.

Coal remaining on hand at Noon 78 " 301 "

P. M.															
1	5	0	N.W×N.	N.N.W.	3		29.50	68	46	45	45	ocd	cumnimb	0	M	
2	5	0	"	N.W×N.	3		29.49	66	47	46	45	"	"	0	"	
3	4	8	"	"	3		29.46	62	47	46	45	"	"	0	"	
4	4	4	"	N.N.W.	3		29.45	71	47	46	45	"	"	0	"	
5	5	0	"	N.W×W	3		29.45	68	47	46	45	oc	"	0	"	
6	5	8	"	"	3		29.44	66	48	47	45	"	"	0	"	
7	6	2	"	N.	3		29.40	67	47	46	45	oct	"	0	"	
8	5	6	"	"	3		29.37	67	47	46	45	"	"	0	"	Set foretopstay'l f. storm
9	5	5	"	N.N.E.	4		29.30	67	48	47	45	"	"	0	"	stay'l & storm maz'r
10	6	0	"	"	4		29.24	67	48	47	45	"	"	0	"	
11	6	0	"	N.E×N.	6		29.17	65	50	48	45	"	"	0	"	Set fore sail
Mid.	4	8	"	N.W.	7		29.14	60	50	49	45	"	"	0	"	Took in all sail

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. July 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy, clearing occasionally, stars shining through. Very strong breeze with frequent squalls from N.E. moderating somewhat latter part. Aneroid barometer 29.6 Engs. Steam 44.5 lbs Revs. 38.2.
4 to 8 A.M.

W. M. Emmi Master

Clear greater part of watch, with occasional light showers of rain. Moderate breeze shifting from N by W. to N.E. by N. Rough cross broken sea, Ship pitching and rolling heavily, rolling from 2° to leeward to 12° to windward. Aneroid rising, 29.62 at end of watch Steaming under six boilers. Moon arose at 4 A.M.
8 A.M to Meridian.

Wainwright Lee
OK Lieutenant

Weather overcast and cloudy. Barometer steady. Breeze gentle to moderate from N by N. Clouds cumulus and nimbus. Drizzling rain at intervals. At 9.15 mustered at quarters. Under steam pressure 42 lbs. and 39 revolutions. At 11.30 took in fore and aft sail. By order of Commanding Officer R. C. H. Holt (Lds) is given ten days extra duty for refusing to obey orders of watch tender. Wm. E. Pickett (1 CB) is given ten days extra duty for missing muster of watch, and H. Hudson (Coy) and Geo. H. Jones (1 CB) to keep watch on quarter deck for one week for missing muster of watch. At 9.00 changed course to N.W by N. Aneroid 29.66.
Meridian to 4 P.M.

Ward Norton Lieutenant

Overcast gloomy weather. Light breeze from N. and W. Long swell. Barometer falling. Aneroid at end of watch 29.63. Steam pressure 40 lbs. revolutions 39.
4 to 6 P.M.

Lieutenant

Overcast cloudy and cool. Light breeze from N.W by N. Long swell and ship rolling deeply at times. Barometer falling slowly. Steam 45 lbs.. Revolutions 39.2 Aneroid at close 29.60
6 to 8 P.M.

W. M. Emmi Master

Overcast. Raining during watch. Rough broken sea. Moderate breeze from North. Steaming under four boilers. Aneroid 29.60
8 P.M to Midnight.

Wainwright Lee Lieutenant

Weather overcast equally and threatening. Wind varying in force from moderate breeze to moderate gale and in direction from N.W to N.E by N. Clouds cumulus and nimbus. At 9.30 set fore and aft sail and at 10.30 set foresail taking all in at 11.30 to a shift of wind and the beginning of a gale. Aneroid barometer 29.30. Under steam, pressure 39 lbs. and 37 revolutions.

Ward Norton Lieutenant

Moon's mid. Examined and found to be correct.
Dec. 20° 07' 03" N.
Phase Last quarter.

W. T. Carter
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chile, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	5	N x E.	N. W.	6-7	H	29.03	58	50	49	45	ocqr	nimbus	0	R	Set mizzen topsail & Storm mizzen
2	1	5	N. N. E.	"	6-8	H	29.00	55	50	49	45	"	"	0	"	
3	1	5	"	"	6-8	H	29.00	55	50	49	45	"	"	0	"	
4	1	5	"	"	6-8	H	29.00	54	50	49	45	"	"	0	"	
5	1.	5	"	"	8-9	H	29.00	53	50	49	45	"	"	0	"	
6	1	5	"	"	8-9	H	28.98	53	50	49	45	"	"	0	"	
7	1	5	"	"	6-8	H	28.97	61	49	49	45	"	"	0	"	
80°39 49°37 8	1	2	N.	N. W. x W.	4-8	H	28.96	64	49	48	45	ocq/r	"	0	"	
9	1	2	"	"	4-8	H	28.98	67	49	48	45	"	"	0	"	Set close reefed main topsail
10	0	0	Drifting to	N. W.	4-6	H	28.97	67	49	48	45	"	"	0	"	Set storm staysail
11	0	0	leeward. East	"	4-6	H	28.97	67	49	48	45	"	"	0	"	
Noon.	0	0	1 knot per hour	"	4-6	H	28.96	58	48	48	45	"	"	0	"	

Distance run by Log since preceding Noon	76 knots	0	fathoms.
Latitude by D. R. at Noon	49°	40'	30" S
Longitude by D. R. at Noon	80°	36'	30"
Latitude by Observations at Noon ⊙	°	'	"
Longitude by Chronometer from Forenoon Observations ⊙	°	'	"
Current during the time knots fms. per hour, setting to the			
4 W 3 Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	'	"
Variation of the Compass by Azimuth ⊙ observed at	°	'	"
Water expended during the preceding 24 hours	315		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	14445		"
Coal consumed during the preceding 24 hours	8 tons	1680	lbs.
Coal remaining on hand at Noon	69 "	861	"

P. M.																
1	1	0	N. E x N.	N. W.	3-6	H	28.94	65	50	49	45	ocqr	nimbus	0	R	
2	1	0	"	"	3-5	H	28.90	65	48	47	45	"	"	0	"	
3	1	0	"	"	2-3	H	28.90	65	48	47	45	"	"	0	"	Took in M topsail and
4	1	0	N. W.	S.	1-4		2890	65	48	47	45	"	"	0	"	storm mizzen. Set
5	2	6	"	"	1		28.90	72	45	44	45	ocr	"	0	"	fore topl staysail
6	3	H	"	S. E.	2		28.85	75	46	45	45	"	"	0	M	Set foresail, reefed Hauled down flying staysl
S 49 18 W 80 03 7	3	0	"	E. S. E.	2		28.82	76	48	47	45	"	"	0	"	
8	4	0	"	S. E.	3		28.79	68	48	46	45	"	"	0	"	
9	6	0	S W.	"	3-10		28.55	60	48	46	45	ocqr	"	0	S	Furled foresail & M topsl
10	3	0	"	"	8-10	H	28.55	52	46	42	45	"	"	0	"	Set Stow of M topsail
11	2	0	"	"	8-10	H	28.54	52	46	40	45	"	"	0	"	and storm mizzen
Mid.	2	0	"	"	8-10	H	28.59	52	41	40	45	"	"	0	R	

Longitude by Chronometer from Afternoon Observations ⊙	°	'	"
Longitude by Chronometer from Observations ☼	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, July 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast, squally and rainy. Wind blowing a moderate gale from N.E. and N. Sea growing rough, laid the ship to at 12.15 on port tack under main trysail and storm mizzen. Slowing down the engines. Barometer low and falling. Aneroid at end of watch 29.24. Steam pressure 51 lbs. revolutions 21.

4 to 8 A.M. C. H. Rees Lieutenant

Gloomy stormy weather. raining greater part of watch. Wind blowing a moderate gale from N.W. gradually moderating and hauling to N. by W. Rough sea. Aneroid barometer 29.19. Steam 51 lbs. Revolutions 28.

8 A.M. to Meridian. W. McCann Master

Overcast. gloomy. Steady rain during entire watch. Fresh breeze from W.N.W. Rough broken sea. Ship rolling from 12° to the windward to 30° to leward at times. Greater part of watch ship riding easily. At 9.23 took close reef in main topsail and set it. At 10 took close reef in foresail and furled it. set fore storm staysail and at 10 stopped steaming. ship drifting to E. Aneroid steady and low. 29.16 at end of watch.

Meridian to 4 P.M. W. Winninghe Keeney Lieutenant

Weather dirty. Light to fresh breeze first three hours of watch from N. last hour light to moderate from South. Braced around to a shift of wind at 3. and took in main trysail and storm mizzen. setting foretopmast staysail Sea rough and ship rolling heavily at times. Barometer falling. Aneroid barometer 29.10 at end of watch. Fires banked.

4 to 6 P.M. Karl Rohrer Lieutenant

Overcast and squally. Barometer falling. Moderate breeze from S.E. Set foresail at 4.15 and turned out one ref. Hauled down foretopmast staysail at 5.00. Aneroid at end of watch 29.05.

6 to 8 P.M. C. H. Rees Lieutenant

Overcast cloudy and threatening. Light breeze from E.S.E hauling to S.E. and freshening. Spread fires at 7.15 and started ahead at 7.58. Aneroid barometer 29.09

8 P.M. to Midnight. W. McCann Master.

Overcast. Gloomy. Threatening. Raining heavily during entire watch. Fresh breeze at commencement of watch which freshened rapidly and at 9.00 it was blowing a strong gale and at end of watch blowing a very heavy steady strong gale from S.E. Sea quite smooth at commencement of watch but gradually increased and at end very high. At 8 took in and furled foresail. At 8.20 furled main topsail and set fore storm staysail the sheet of main trysail and storm mizzen and laid the ship to on the port tack heading S.W. Steaming slowly ahead under four boilers. Ship greater part of watch riding easily but at times rolling from 12° to windward and 32° to leeward. Aneroid falling until 11.00. when it read 28.82. rising rapidly last half hour. 28.92 at end of watch.

Moon l. mid. Dec 21° 08' 17" N. Phase, Last quarter

Examined and found to be correct Winninghe Keeney Lieutenant

W. T. Easton Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo Uruguay to Valparaiso Chili S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	S.W.	S.S.E.	7-9		28.76	60	38	36	44	ogr	cumulus	0	R	Foretorm staysail, storm
2	2	0	"	"	7-9		28.90	60	38	36	44	"	"	0	"	mizzen and main topsail
3	2	0	"	"	7-9		29.00	60	38	37	44	"	"	0	"	with head haulid down
4	2	0	"	"	6-8		29.05	60	38	37	44	"	"	0	"	
5	2	5	"	"	6-8		29.19	60	38	37	44	"	"	0	R	
6	2	5	"	"	7-9		29.21	62	44	37	44	"	"	0	"	
7	2	5	"	"	7-9		29.30	60	44	36	44	begr	"	1	"	
5 49°00 W 8	2	5	"	"	6-8		29.35	60	38	37	42	"	"	1	"	
80.39 9	2	5	S.S.W	"	3-7	4	29.45	60	38	36	35	oegohr	"	0	"	
10	2	5	"	"	3-7	4	29.45	60	39	36	35	begh	"	1	"	Took in foretorm staysail
11	2	6	"	"	3-7	4	29.50	60	39	36	35	begohr	"	2	"	
Noon.	1	8	"	"	3-7	4	29.50	58	46	37	36	"	"	2	"	

Distance run by Log since preceding Noon	57 knots 4 tenths
Latitude by D. R. at Noon	48° 5-9' 48" S
Longitude by D. R. at Noon	80° 57' 00" W
Latitude by Observations at Noon ⊙	49° 05' 09" S
Longitude by Chronometer from Forenoon Observations ⊙	81° 04' 00" W
453 Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	300 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1145 "
Coal consumed during the preceding 24 hours	8 tons 280 lbs.
Coal remaining on hand at Noon	61 " 981 "

P. M.																
1	Courses	S.W	S.S.E.	3-6	8	29.62	57	38	35	36	bcg	cumnimb	2	R	
2	"	"	"	3-6	8	29.62	57	39	35	36	"	"	3	"	
3	"	"	"	3-6	8	29.65	55	38	35	36	bcge	"	3	"	
4	"	"	"	3-6	8	29.69	55	38	35	36	"	"	3	"	
5	7	5	N.W+N.	"	6		29.70	62	40	37	36	bcg	cum	7	"	Single reefed foresails double
6	8	0	"	"	6		29.80	62	40	37	36	"	"	7	"	reefed topsails, fore storm
7	8	44	"	"	6		29.83	70	39	37	36	och	"	0	M	and fore topmast staysails
5 48 36 W 8	8	44	"	"	6		29.83	70	39	37	36	bch	"	9	"	Shook out all reefs.
81..01 9	8	44	"	"	6		29.90	69	40	37	46	bce	"	8	"	
10	8	44	"	"	6		29.94	66	40	37	47	bc	"	8	"	
11	8	6	"	"	6		29.94	62	40	36	46	bce	"	7	"	
Mid.	8	44	"	"	6		29.95	61	40	36	46	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	80° 40' 30" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday. July 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather bad. Blowing a hard gale from S.S.E. Barometer rising slowly. Nimbus clouds. High sea running which ship rides well, taking in very little water over the rail. Under storm mizzen, main trysail with head hauled down, and the fore storm staysail, and steaming ahead slowly. Pressure of steam 53 lbs and 30 revolutions.

4 to 8 A.M. Karl Kohler, Lieutenant

Weather overcast squally and rainy. Wind blowing a strong gale in squalls from S.S.E. Rough sea. Barometer rising rapidly. Indications of clearing up. Aneroid at end of watch 29.55. Steam pressure 54 lbs. Revolutions 30.

8 A.M. to Meridian. [signature] Lieutenant

Cloudy and squally with hail and snow at intervals. Rough sea and ship rolling deeply. Latter part of watch gradually clearing and sea getting smoother. Barometer rising and weather becoming pleasanter. At 11.25 stopped steaming and hauled down fore storm staysail. Ship riding easily under main trysail and storm mizzen. Steam 46 lbs. Revolutions 34. Aneroid 29.60.

[signature] Master

Meridian to 4 P.M.

Clear and cool. Moderate gale from S.E. Occasionally fresh squalls of wind and snow. High regular sea. At 3.50 called all hands and set close reefed main topsail and double reefed fore topsail and single reefed foresail. Took in trysail and storm mizzen and set fore topmast staysail and storm staysail, and headed ship off to her course N.W. by N. Aneroid rising 29.82. Banked fires.

4 to 6 P.M. [illegible] Lieutenant

Weather clear and pleasant, though somewhat chilly. Sea rather rough but moderating. Fresh breeze from S.S.E. Shook one reef out of main topsail at 4.30. Fires banked. Commenced distilling at 5. Aneroid barometer 29.90.

6 to 8 P.M. Karl Kohler, Lieutenant

Weather partly clear and comparatively pleasant. Fresh breeze from S.S.E. Moderate sea. Barometer rising. Shook the reefs out of the topsails and foresail at 6.40. Aneroid at end of watch 29.95. Patent log registered 61 miles.

8 P.M. to Midnight. [signature] Lieutenant

Cloudy and cool with occasional flurries of snow. Fresh breeze from S.S.E. Long swell and ship rolling considerable. Barometer rising. Fires banked. Distilling. Aneroid barometer 30.02

[signature] Master

Moon I. mid. Examined and found to be correct.

Dec 21° 01' 00" N

Phase Last quarter

[signature] Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay to Valparaiso. Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	10	0	N.W.×N.	S.S.E.	3.6		29.97	60	39	37	45	bcgo	circum	7	M	Topsails f & m. stay sail
2	8	4	"	"	3.6		29.97	58	39	37	46	"	"	8	"	and storm stay sail
3	8	4	"	"	3-6		29.98	58	39	36	46	"	"	5	"	
4	7	0	"	"	3-6		30.00	58	39	36	45	"	"	7	"	
5	7	0	"	"	3-5		30.08	57	40	36	46	bcg	circum & numb	4	L	
6	8	0	"	"	4-6		30.05	57	40	36	46	"	"	3	"	
7	7	0	"	S.	3-5		30.03	57	40	36	46	bcge	"	6	"	
5 47..11 W 8	7	0	"	S.S.W.	3-5		30.11	60	40	36	46	"	"	5	"	
81..38 9	8	0	N.N.W.	"	3-6		30.14	58	40	37	46	bch	Circum	6	"	Set topgallant sails
10	7	6	"	"	5		30.13	60	42	40	45	bc	"	7	"	Hauled down f & m stay sl
11	8	0	"	"	6		30.13	60	42	40	45	"	"	3	"	
Noon.	8	0	"	"	6		30.13	60	42	40	45	"	"	4	"	

Distance run by Log since preceding Noon — 163 knots 5 fathoms

Latitude by D. R. at Noon — 46° 40' 00" S

Longitude by D. R. at Noon — 81° 30' 00 W

Latitude by Observations at Noon ⊙ — 46° 39' 00 S

Longitude by Chronometer from Forenoon Observations ⊙ — 81° 08' 00 W

Current during the time knots fms. per hour, setting to the —

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

413 Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water distilled during the preceding 24 hours — 1255 "

Water remaining on hand fit for use at Noon — 2100 "

Coal consumed during the preceding 24 hours — 3 tons 781 lbs.

Coal remaining on hand at Noon — 57 " 2041 "

P. M.																
1	7	4	N.N.W.	S.E.×S.	5		30.26	61	43	38	46	bc	circum	3	L	Topsails topgalls. Foresail
2	7	2	"	"	5		30.26	61	43	39	46	"	"	3	"	Set main royal
3	8	0	"	"	6		30.26	63	42	38	46	"	"	2	"	
4	8	2	"	"	5-6		30.26	65	42	39	47	"	"	3	"	
5	8	0	"	"	5-6		30.26	65	42	39	46	bcg	"	3	"	
6	7	0	"	"	4-6		30.26	64	42	39	46	bc	"	8	"	
7	6	0	"	"	3-5		30.29	65	42	39	46	"	"	7	M	
5 45-36 W 81..12 8	7	0	"	"	3-5		30.29	65	42	39	46	"	"	7	"	
9	6	6	"	"	5		30.30	62	42	37	46	"	"	6	"	
10	7	2	"	"	5		30.30	58	41	38	46	"	"	3	"	
11	6	4	"	S.E.	5		30.30	58	41	38	46	"	"	5	"	
Mid.	5	0	"	"	4		30.31	58	41	38	46	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 81° 12' 00 W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. N. McCormick, U. S. Navy,

Thursday July 13th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and cold greater part of watch with occasional snow fall. Fresh breeze with moderate squalls of wind and snow from S. E. Moderate sea. Ship rolling easily. Banked fires. Distilling. Aneroid rising. 30.09.
4 to 8 A.M. Lieutenant

Weather generally pleasant. Occasional squalls of wind and snow. Breeze fresh from S.S.E to S.S.W. Barometer rising. Clouds cirro cumulus and nimbus. Ship riding the sea easily. Sent up topgallant yards after bending the sails. Braced up a couple of points by the starboard braces. Aneroid barometer 30.17. Fires banked. Distilling.
8 AM. to Meridian. Lieutenant

Weather generally clear and pleasant. Fresh breeze from S.S.W. Moderate sea. Barometer steady. Set topgallants sails at 8.15 and hauled down fore topmast staysail. Steering course N.N.W. Crew at work cleaning decks. Aneroid barometer at end of watch 30.22
Meridian to 4 P.M. Lieutenant

Pleasant weather. Fresh breeze from S.E by S. Moderate sea. Barometer steady. Sent main royal and flying jib. Crossed main royal yard and set the sails. Condensing. Aneroid barometer 30.27
4 to 6 P.M. Master.

Clear cool pleasant weather. Cloudy near horizon. Bright starlight after 5 O'clock. Fresh breeze from South. hauling and veering two points either way. Moderate sea. Distilling. At 4.40 mustered at quarters. Aneroid steady. 30.28.
6 to 8 P.M. Lieutenant

Weather clear and pleasant. Barometer steady. Moderate sea. Gentle to fresh breeze from S.E by S. Fires banked. Distilling. Took in and furled main royal.
8 P.M. to Midnight Lieutenant

Clear and pleasant. Moderate breeze from S. and E. Barometer steady. Aneroid at end of watch 30.32. Stopped distilling.
Lieutenant

Moon's mid Dec. 19° 48' 46" N
Phase last quarter

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo Uruguay to Valparaiso Chile S.A

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	5	N.N.W.	S.E	3		30.30	55	43	38	46	bc	Cicum	7	S	Topsails. topgallantsails
2	3	4	"	"	2		30.30	55	43	38	46	"	"	8	"	and foresail.
S 45° 00 3	3	6	"	"	2		30.31	55	43	38	47	"	"	6	"	
81 42 81 12 4	3	0	"	"	2		30.31	55	42	38	47	"	"	7	"	Hoisted jib.
5	3	0	"	N.E × E.	2-3		30.31	55	41	38	46	"	"	7	"	
6	2	0	"	"	2		30.34	58	44	40	46	"	"	8	"	
7	1	5	"	"	1-2		30.37	66	44	41	46	"	"	8	"	
S 44 40 8 W 81 .. 28	3	0	"	E.S.E.	1-2		30.36	66	44	40	47	"	"	9	"	Set main royal
9	3	0	N.N.W 1/2 W.	N.E.	1-2		30.35	66	45	39	47	"	Cumulus	6	"	Set flying jib & mizzen sail
10	2	5	"	"	1-2		30.35	66	44	38	47	"	Cicum	5	"	
11	3	0	N.N.W.	N.E × E.	2-3		30.30	60	44	38	47	"	"	2	"	
Noon.	2	0	N.W. 3/4 W.	N.N.E.	2-3		30.30	62	44	38	47	"	"	5	"	

Distance run by Log since preceding Noon	118 knots 5 Tenths
Latitude by D. R. at Noon	44° 48' "S
Longitude by D. R. at Noon	81° 12' "W
Latitude by Observations at Noon ⊙	44° 50' "S
Longitude by Chronometer from Forenoon Observations ⊙	81° 30' "W
Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
3911 Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	200 gallons.
Water distilled during the preceding 24 hours	950 "
Water remaining on hand fit for use at Noon	2850 "
Coal consumed during the preceding 24 hours	1 tons 1760 lbs.
Coal remaining on hand at Noon	56 " 281 "

P. M.															
1	3	2	N.W 1/2 W.	N.N.E	3	1/2	30.30	62	44	39	47	bc	Cicum	6	S.
2	3	8	N.W × W.	"	3	1/2	30.31	62	44	38	47	"	"	6	"
3	4	2	"	"	4	1/2	30.32	68	44	38	47	"	"	1	"
4	4	5	"	"	4	1/2	30.32	68	43	38	47	"	"	1	"
5	2	8	N.W. 1/2 W.	"	2	1/2	30.33	61	44	39	47	"	"	1	" Single reefed topsails
6	3	2	"	"	2	1/2	30.32	62	44	39	47	"	"	1	" topgallsails. fore sail jib
7	3	0	N.W.	"	2		30.31	67	45	40	47	"	"	2	" flying jib & m. trysail
S 44 .. 25 8	4	0	"	"	2-3		30.32	69	45	40	47	"	"	4	"
W 81 .. 50 9	4	0	N.N.W.	N.	3		30.36	66	45	40	48	"	"	6	"
10	4	0	N.W × W. 1/2 W.	N × E.	3		30.33	66	45	40	48	"	"	6	"
11	4	5	"	"	4		30.31	66	45	40	48	"	"	9	"
Mid.	4	5	N.N.W	N.	4		30.32	65	46	42	48	"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A.N. McCormick, U. S. Navy,

Friday, July 14th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, bright starlight. Light breze from S^e and E^t. Moderate sea and ship rolling easily. Barometer steady, Aneroid barometer at close of watch 30.33.

W.W. Smyth Master

4 to 8 A.M. Clear, cool, pleasant. Light variable breze from E^t, hauling from N.E. to S.E. Long moderate swell from S.E. At 4 set jib and at ½ past 5 set main royal. Aneroid rising. 30.34

Wainwright Lee Keeney Lieutenant

8 A.M. to Meridian Weather clear and pleasant. Breze light to gentle from N.E. to N.N.E. Barometer falling. Heavy swell from S^e, Clouds cirro cumulus, cumulus and nimbus. At 9.15 exercised at fire quarters, Aneroid barometer 30.30. Fires banked.

Meridian to 4 P.M. Hal Nolan, Lieutenant

Weather clear and pleasant first part of watch, getting cloudy and cool latter part, Barometer rising. Upper strata of clouds moving from N^e to W^e, Aneroid barometer at close of watch 30.32.

4 to 6 P.M. O'Kee Lieutenant

Pleasant weather, Light breze from N.N.E. Moderate sea. Barometer steady. At 4.35 took single reef in the topsails, furled main royal and flying jib and sent main royal yard on deck, Aneroid 30.32.

6 to 8 P.M. W.W. Smyth Master

Clear, cool pleasant, Light freshening breze from N.N.E. Smooth sea. Aneroid 30.30.

Wainwright Lee Keeney Lieutenant

8 P.M. to Midnight. Clear and pleasant weather, Barometer steady but showing a disposition to fall. Clouds cirro-cumulus. Breze gentle to moderate from N to N by E. Sea smooth. Fires banked, Aneroid barometer 30.32.

Hal Nolan, Lieutenant

Moon l. mid. Examined and found to be correct.

Dec 17° 46' 06" N

Phase. Last quarter

W.T. Barker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chile

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	11	11	N.N.W.	N.	2		30.32	65	45	41	48	bc	cir	8	S.	Reef to topgalts. unreef
2	4	6	"	"	4		30.31	66	45	41	48	"	"	2	"	topsails
3	4	11	N.N.W. 1/2 W.	"	4		30.29	66	46	42	47	"	"	3	"	
4	4	11	"	"	4		30.27	58	46	42	47	oc	Cum	0	"	
5	4	6	N.N.W.	"	4		30.24	54	47	45	48	"	Cum. nimb	0	L	
6	4	11	"	"	5		30.19	54	47	46	48	ocr	nimb	0	"	Took in topgalts.
7	4	0	N.W. 1/2 W.	N.N.E.	5		30.24	64	47	46	48	"	"	0	"	Took in jib.
8 43.52 W 82-44	3	6	N.W. 1/2 N.	N.E.	5		30.24	63	47	47	48	"	"	0	"	
9	4	0	"	"	5		30.24	63	47	47	48	"	"	0	"	
10	3	0	N.W.	"	3		30.25	63	47	47	48	"	"	0	"	
11	2	0	N.W.×W.	"	2		30.25	69	48	47	48	"	"	0	"	
Noon.	Nocturnal way			Variable	0-1		30.25	70	49	48	48	bcp	"	1	"	Hoisted jib

Distance run by Log since preceding Noon	93 knots 1 tenth
Latitude by D. R. at Noon	43° 35' 36" S
Longitude by D. R. at Noon	82° 52 00 S
Latitude by Observations at Noon ⊙	43° 51' 37" S
Longitude by Chronometer from Forenoon Observations ⊙	82° 47' 00" W
Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
391 Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	315 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	2535 "
Coal consumed during the preceding 24 hours	1 tons 560 lbs.
Coal remaining on hand at Noon	54 " 1961 "

P. M.															
1	No turage way			Calm	0	30.24	70	52	51	48	bcm	nimb	1	L	Took in spanker
2	0	5	N.E.	S.W.	0-1	30.24	70	52	51	48	.	cir nimb	3	"	Set topgallantsails
3	0	5	"	"	0-1	30.25	71	50	50	48	ocmz	"	0	"	
4	0	5	N.	"	0-1	30.26	72	51	49	48	"	"	0	"	
5	No turage way			Calm	0	30.6	70	50	50	48	bcm	cir	1	L.	
6			"	"	0	30.28	72	52	50	48	"	"	3	"	
7			"	"	0	30.26	66	63	57	48	"	cir nimb	2	"	
8 43..50 W 82°46			"	"	0	30.26	63	52	50	48	"	Cum	4	"	
9			"	"	0	30.30	67	53	50	48	bcmf	"	4	"	
10			"	"	0	30.30	63	52	50	48	"	"	5	"	
11			"	"	0	30.30	60	52	50	48	"	"	3	"	
Mid.			"	"	0	30.26	58	52	49	50	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	82° 46' 00 W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. July 15th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cool and cloudy. Moderate breeze from N.E. growing fresh latter part of watch. Barometer falling. Aneroid at end of watch 30.28.

4 to 8 A.M. D. Rees Lieutenant

Overcast cloudy and threatening with light rain latter part of watch. Moderate breeze from N.E. hauling to E. Barometer falling then turning to rise. Took in topgallants sails at 5.20. and jib at 7. Aneroid at close of watch 30.26. W. McGinn Master

8 A.M. to Meridian.

Overcast. gloomy. Raining hard with fresh breeze from N.E. until 11. when the weather cleared and the wind became light and hauled to the S.W. Braced around on starboard tack and set jib. Moderate sea broke at end of watch. Aneroid steady 30.25.

Meridian to 4 P.M. Wainwright Kellogg Lieutenant

Weather pleasant though misty and hazy at intervals Barometer rising. Clouds cirrus and nimbus. Light airs from S.W. Laid the yards square, and set topgallants sails at 1. Fires banked. Sighted a sail bearing about S.S.W. Aneroid barometer 30.24.

4 to 6. P.M. Webber Lieutenant

Weather cloudy and foggy. Calm. Barometer rising. Aneroid at end of watch 30.26.

6 to 8 P.M. D. Rees Lieutenant

Calm. No steerageway. Cloudy and misty; stars faintly visible overhead. Smooth sea. Barometer steady. Aneroid at close of watch 30.28. W. McGinn Master

8 P.M. to Midnight

Misty and foggy. Calm. No steerageway. Smooth sea, Aneroid steadily until last hour. when it commenced to fall

Wainwright Kellogg Lieutenant

Moon 1 mid. Examined and found to be correct.

Dec 14 43 19 N

Phase. New moon.

W. J. Parker Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay to Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Steam ahead	Calm	0		30.25	56	49	48	51	bcz	Cir Cumm & Cumm.	7	S	
2			"	"	0		30.24	56	49	48	57	"	"	9	"	
3			"	"	0		30.24	56	49	48	51	"	"	9	"	
4		5	N.W.	N.E	0-1		30.24	56	49	48	51	"	"	8	"	
5		5	N.N.W.	"	0-1	2	30.23	60	49	48	51	"	Cir.	8	"	
6	1	2	N.W.×N.	NE×N.	1	1	30.23	65	49	48	51	"	"	8.	"	Shook out reefs
7	1	8	N.N.W.½W.	"	1	1	30.24	70	49	47	57	bc	"	5	"	Set spanker.
S 43.44 8	2	4	"	"	1	3/4	30.24	70	49	47	51	oc	Cir Cumm	0	"	
W 82.49 9	3	6	"	"	3	½	30.24	65	50	49	51	"	"	0	"	
10	5	0	N.W.½W	N.N.E.	3	½	30.24	66	50	49	51	"	"	0	"	
11	4	0	"	"	3	½	30.21	64	51	50	57	"	"	0	"	
Noon.	4	0	N.W.×W	"	3	½	30.19	63	51	50	51	"	"	0	"	

Distance run by Log since preceding Noon — 24 knots S-[illegible]

Latitude by D. R. at Noon — 43° 30' 38" S

Longitude by D. R. at Noon — 83° 00' 45" W

Latitude by Observations at Noon ⊙ — 43° 28' 33" S

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

391 Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon — 2220 "

Coal consumed during the preceding 24 hours — 1 tons 60 lbs.

Coal remaining on hand at Noon — 53 " 1901 "

P. M.																
1	5	4	N.×N.	N.	3-5		30.19	63	51	50	51	oom	cicumm	0	S	
2	5	2	N.N.W.½W.	"	3-4		30.17	67	51	50	51	"	"	0	"	
3	4	0	N.N.W.	"	3		30.17	68	52	51	57	"	"	0	"	
4	1	0 5	West N.N.E	N×W. N.W×W.	1-2		30.18	70	52	51	51	"	"	0	"	Single reefs in topsails
5	2	0	"	"	1-2		30.14	70	52	51	51	"	"	0	"	
6	1	5	"	"	2		30.16	70	51	50	51	"	"	0	"	
7	2	0	"	"	2	1	30.16	70	52	52	51	"	"	0	"	
S 43.13 8	2	0	N×E½E.	"	2	1	30.14	69	52	53	51	ood	"	0	"	
W 83°09 9	1	8	N.N.E.	N.W.	2	1	30.13	67	52	52	52	"	Nimb	0	"	F.topmast stay.l jib
10	4 2	0 5	N.	"	3		30.10	68	52	52	51	"	"	0	"	M. topsail, spanker
11	7	0	"	"	3		30,08	66	52	53	52	"	"	0	M	Steam.
Mid.	7	0	"	"	3		30.03	65	52	52	53	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, July 16th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather damp and hazy. Clouds cirro cumulus and cumulus. Barometer steady. Calms and light airs from N.E. Sea smooth. Ship steady. Fires banked. Aneroid barometer 30.26. At 4 hauled out main trysail and brought the ship by the wind on the starboard tack.

4 to 8 A.M. Mark Robbs, Lieutenant

Weather damp and foggy at beginning of watch, afterwards clearing. Barometer steady. Light breeze from N. and E. gradually increasing in force. Shook the reefs out of the topsails at 6.30 and set spanker. Sighted a barque on starboard quarter at daylight about two miles distant apparently partly disabled about her main top-gallantmast. Aneroid at end of watch 30.26.

J. D. Lee Lieutenant

8 A.M. to Meridian.

Overcast and cloudy with light drizzling rain during early part of watch. Light breeze from N.E. by N. veering to N.N.E. Smooth sea. Barometer falling slowly. By order of Commanding Officer released John Gibson 1d/s from Confinement. At 9.00 called all hands to muster: read Articles for the Government of the Navy and mustered the crew. Aneroid barometer 30.23.

Meridian to 4 P.M. W. W. Swan Master

Cloudy, foggy. Moderate breeze from N. which gradually decreased to light airs and hauled to N.N.W. - At 3.30 wore ship to starboard headed N.N.E on new tack. Aneroid 30.18.

4 to 6 P.M. W. Cumming Jr. - Kellogg Lieutenant

Weather overcast and misty. Barometer steady but showing an indication to fall. Light breeze from N.N.W by W. Smooth sea. Fires backed. At 4.30 took one reef in the topsails. Aneroid barometer 30.18.

6 to 8 P.M. Mark Robbs, Lieutenant

Weather overcast wet and foggy. Gentle breeze from N. and W. Sea smooth. Barometer steady. Started fires under the after starboard boilers and spread fires under two starboard forward boilers at 6.30. Aneroid at end of watch 30.17.

J. D. Lee Lieutenant

8 P.M. to Midnight.

Overcast and cloudy with light drizzling rain. Light to moderate breeze from N.W. At 8 took in and furled topgallant sails and sent the yards on deck. Took in and furled foresail, fore and main topsails. Started ahead under steam at 9.00. Put over patent log registering 70.1 Making North course rest of watch. Steam 43 lbs. Revolutions 39. Aneroid barometer 30.12.

W. W. Swan Master

Moon's mid Examined and found to be correct.

Dec 11° 12' 17" 76

Phase, New moon

W. D. Porter Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chile.

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.																
	1	6	4	N.	N W.	3-4		30.03	60	52	51	52	ocd	nimb	0	M	T.S Stays'l, M. trysail and
	2	6	5	"	"	3-4		29.99	62	52	51	52	"	"	0	"	Spanker. Steam
	3	5	4	"	"	3-5		29.95	62	51	50	52	"	"	0	"	
	4	5	0	"	"	3-5		29.94	62	51	50	52	"	"	0	"	Took in spanker and jib
	5	4	5	"	"	5-6		29.90	62	54	53	52	"	"	0	"	
S 42° 12' W 82° 01'	6	3	0	"	"	5-6		29.88	62	54	53	52	ocrg	"	0	R.	Double reefed topsails
	7	3	0	"	"	6-8		29.88	62	54	53	52	"	"	0	"	single reefed foresail
	8	3	0	"	"	5-7		29.85	62	54	53	52	"	"	0	"	fore topt sail & storm stay'l
	9	4	6	N × E.	W. N. W.	5-7	1	29.88	65	52	52	52	oc/rg	"	0	"	main trysail
	10	5	0	N.	"	6	1	29.90	66	52	52	52	"	"	0	"	
	11	6	0	"	W.	6	1	29.90	66	53	51	52	bc	"	2	"	Shook out reefs
	Noon.	6	4	"	"	6	1	29.90	66	53	51	52	"	"	2	"	Set topsails

Distance run by Log since preceding Noon	102 knots	7 ~~fathoms.~~ tenths
Latitude by D. R. at Noon	41 ° 55 ' 00 " S	
Longitude by D. R. at Noon	82 ° 32 ' 00 " W.	
Latitude by Observations at Noon ⊙	42 ° 20 ' 00 " S	
Longitude by Chronometer from Forenoon Observations ⊙	82 ° 04 ' 00 " W.	
Current during the time knots fms. per hour, setting to the		
391. Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "	
Variation of the Compass by Azimuth ⊙ observed at	° ' "	
Water expended during the preceding 24 hours	350 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	1870 "	
Coal consumed during the preceding 24 hours	5 tons 800 lbs.	
Coal remaining on hand at Noon	48 " 1101 "	

	P. M.																
	1	7	4	N	W.	6	½	29.95	63	53	51	52	bcm	nimb	1	R	Same
	2	7	4	"	"	6	½	29.94	65	53	51	52	"	cir str	3	"	
	3	7	0	"	"	5	½	29.94	65	53	51	52	"	cir cum	2	"	
	4	7	2	"	"	5	¼	29.96	65	53	52	52	"	"	4	"	Set spanker and jib
	5	7	0	"	"	4		29.97	66	53	52	52	"	"	4	"	
	6	7	0	"	"	5		29.95	65	53	53	52	bcg	"	5	"	
S 41° 27' W 81° 37'	7	7	2	"	"	5		29.99	65	53	53	52	"	cir	9	M	
	8	7	5	"	"	5		29.96	65	53	53	52	"	"	9	"	
	9	7	0	"	"	5	½	29.97	65	53	51	52	"	"	8	"	
	10	6	8	"	"	5	½	29.98	65	54	53	52	"	"	8	"	
	11	6	0	"	"	6	½	29.98	65	54	53	52	bch	nimb	1	"	
	Mid.	6	4	"	"	6	½	29.98	65	54	53	52	oc	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	82 . 05 . 15 . W.
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A.H. McCormick, U. S. Navy,

Monday, July 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Thick. Fresh breeze from N.W. At 2.00. took in spanker and jib. Moderate broken sea. Aneroid falling. 30.01 at end of watch.

Wainwright Kellogg
Lieutenant

4 to 8 A.M.

Weather rainy and threatening. Blowing from a fresh breeze to a moderate gale from N.W. Barometer falling. Seas rising and ship riding it easily. Got up and bent fore storm staysail. set it and hauling down fore topmast staysail at 5.30. At 7.30 called all hands make sail, took second reef in topsails. single reefed foresail, and set them and the fore topmast staysail. Hauled fires under two boilers and banked them under the other two. stopped steaming and disconnected the propellor. Aneroid bar. 29.91

Hank Huber, Lieutenant

8 A.M. to Meridian.

Weather overcast and rainy at beginning of watch, afterwards partly cloudy and pleasant. Barometer rising. Shook one reef out of the topsails at 10.00. crossed topgallant yards and set topgallants sails over single reef. Moderate breeze from W.N.W. gradually freshening. By order of Commanding Officer John S. McGlone. P.M. was given one days extra duty for disrespectful deportment in ranks. Frank Pearson. P.M. one days extra duty for noisy in ranks. John Fitzpatrick. P.M. one days extra duty for talking in ranks C.C. Baltz. P.M. five days extra duty for going below while watch on deck and John W. Smith. Sds. five days extra duty for wrangling in wardroom. Aneroid barometer at end of watch 29.99.

Meridian to 4 P.M.

Cloudy and pleasant. Fresh breeze from W.N.W., slightly moderating latter part. Barometer rising slowly. The weather fore topgallant sheet parted and the lee one stranded. took in the sail, spliced the sheets and set the sail. At 3.40 set jib and spanker. Aneroid barometer 30.00.

W.W. Irwin
Master.

4 to 6 P.M.

Clear and pleasant. Fresh breeze from West. Moderate sea. At 4.40 mustered at quarters. Passed a bk bound to the S.E. Aneroid 30.04 rising.

Wainwright Kellogg
Lieutenant

6 to 8. P.M.

Weather clear and pleasant. Fresh breeze from W.N.W. Barometer steady. Clouds cirrus. Fires banked. Moderate sea. Aneroid barometer 30.04

Hank Huber, Lieutenant

8 P.M. to Midnight.

Weather generally pleasant but growing squally latter part of watch. Barometer steady. Fresh breeze from the W.N.W. Mod-

Lieutenant

We recommend that And.w E. Anderson. Sea. be rated Coxswain.

M.H. Mackenzie
W.H. Parker
Wainwright Kellogg
Lieuts
Lieuts
Lieut
Permanent Board.

U.S.S. Essex, 3d Rate.
July 17th 1882.

W. H. Parker
Lieutenant & Navigator.

under the command of Commander A.H. McCormick, U. S. Navy,

Monday, July 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Thick. Fresh breeze from N.W. At 2.00, took in spanker and jib. Moderate broken sea. Aneroid falling. 30.01 at end of watch.

Wainwright Kellogg
Lieutenant

4 to 8 A.M.

Weather rainy and threatening. Blowing from a fresh breeze to a moderate gale from N.W. Barometer falling. Seas rising and ship riding it easily. Got up and bent fore storm staysail, setting it, and hauling down fore topmast staysail at 5.30. At 7.30 called all hands make sail, took second reef in topsails, single reef in foresail, and set them, and the fore topmast staysail. Hauled fires under two boilers and banked them under the other two. Stopped steaming and disconnected the propellor. Aneroid bar. 29.92

Frank Baker
Lieutenant

8 A.M. to Meridian.

Weather overcast and rainy at beginning of watch, afterwards partly cloudy and pleasant. Barometer rising. Shook one reef out of the topsails at 10.00. Crossed topgallant yards and set topgallants sails over single reef. Moderate breeze from W.S.W. gradually freshening. By order of Commanding Officer John S. McGlone, P.M. was given one days extra duty for disrespectful deportment in ranks. Frank Pearson, P.M. one days extra duty for noisy in ranks. John Fitzpatrick, P.M. one days extra duty for talking in ranks. C.C. Batty, P.M. five days extra duty for going below while watch on deck and John W. Smith, Sds. five days extra duty for wrangling in wardroom. Aneroid barometer at end of watch 29.99.

C.P. Rees
Lieutenant

Meridian to 4 P.M.

Cloudy and pleasant. Fresh breeze from W., slightly moderating latter part. Barometer rising slowly. The weather fore topgallant sheet parted and the lee one stranded: took in the sail, spliced the sheets and set the sail. At 3.40 set jib and spanker. Aneroid barometer 30.00.

W.W. Smith
Master

4 to 6 P.M.

Clear and pleasant. Fresh breeze from West. Moderate sea. At 4.40 mustered at quarters. Passed a bark bound to the S. Aneroid 30.04, rising.

Wainwright Kellogg
Lieutenant

6 to 8. P.M.

Weather clear and pleasant. Fresh breeze from W., Barometer steady. Clouds cirrus. Fires banked. Moderate sea. Aneroid barometer 30.04

Frank Baker
Lieutenant

8 P.M. to Midnight.

Weather generally pleasant but growing squally latter part of watch. Barometer steady. Fresh breeze from the W., Moderate sea, Aneroid at end of watch 30.04.

C.P. Rees
Lieutenant

Moon's mid. Examined and found to be correct.

Dec 7° 18' N

Phase New moon

W. T. Pascoe
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chile, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	6	N.	W × N.	6	3/4	30.02	65	54	53	54	bcmq	cirrus	3	W	Single reefed topsails, foresail
2	6	6	"	"	6	3/4	30.02	65	54	52	54	cmq	"	0	"	Jib, staysail and storm staysail
3	7	2	N. 1/4 E.	"	6	3/4	30.02	64	54	52	54	ocm	"	0	"	Main topsail and spanker
4	7	11	"	"	7	3/4	30.00	64	54	52	54	oc	"	0	"	
5	8	0	N. 1/2 E.	"	7		29.98	65	54	52	54	bcq	"	4	"	
6	8	0	N × E	"	6		29.97	67	54	52	54	"	"	7	"	
7	7	8	N.	"	6		29.97	67	54	52	54	"	"	8	"	
S 40.02 W 8	8	11	"	"	6		29.98	65	54	52	54	"	"	7	"	Shook on reefs of topsails
80.36 9	8	0	"	W × S.	5		29.97	65	55	51	54	"	Cir cum mulus	2	"	
10	8	0	"	"	6		29.98	65	55	52	54	"	"	2	"	
11	8	0	"	W	6		29.97	65	55	51	54	"	"	5	"	
Noon.	7	0	"	"	6		29.95	65	55	51	54	"	"	2	"	

Distance run by Log since preceding Noon 174 knots 9 tenths

Latitude by D. R. at Noon 39° 40' 39" S

Longitude by D. R. at Noon 80° 32' 45" W

Latitude by Observations at Noon ⊙ 39° 36' 39" S

Longitude by Chronometer from Forenoon Observations ⊙ 80° 22' 08" W

Current during the time knots fms. per hour, setting to the

369 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. a. m. 20° 00' E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1520 "

Coal consumed during the preceding 24 hours tons 2100 lbs.

Coal remaining on hand at Noon 44 " 1241 "

P. M.															
1	9	0	N × E.	N. × S	6-7	1/4	29.94	65	55	51	54	bcqg	cumu	3	W	Took in top gallsails
S 39°17' 2 3	3 3	2 2	N.	"	6-7	1	29.93	64	55	53	54	"	"	2	"	Took a reef in topsails
3	6	6	N × E	"	6-7	1	29.91	60	56	53	54	"	"	2	"	Hauled down jib
4	7	0	"	"	6-7	1	29.91	60	56	53	54	"	"	2	"	
5	6	8	"	"	6-7	1	29.91	60	56	53	54	"	Ci cumu	2	"	
6	7	8	"	"	6-7	1	29.92	62	56	53	54	"	"	2	"	
7	8	0	"	"	6-7		29.93	62	55	53	54	"	"	2	"	
S 38.43 W 79.26 8	8	0	"	"	6		29.94	63	55	53	55	"	"	2	"	
9	8	0	N. N. E.	"	6		29.93	63	56	53	55	bcgz	"	1	"	
10	6	0	"	"	5		29.95	63	56	53	55	"	nimb	0	"	Set top gallsails
11	8	5	"	N S W	5		29.94	63	55	53	55	ocz	"	0	"	
Mid.	7	5	"	"	5		29.95	63	56	54	55	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ 80° 11' 45" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday. July 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A M. Cloudy and overcast with lightning first hour and light sprinkling of rain last hour. Stiff breeze from W by N. Barometer steady. Aneroid barometer 30.02.

W M Irwin
Master.

4 to 8 A M.

Clear and pleasant. Fresh to strong breeze from N. to N. N. W. Moderate sea. At 7.00 shook out reefs out of topsails. Aneroid steady. 30.02.

8. A M. to Meridian. Wainwright Kellogg USN Lieutenant

Weather pleasant though somewhat cloudy. Fresh breeze from W to W by S. Clouds cirro-cumulus and nimbus. Moderate sea. Fires banked under two boilers. At 9.15 mustered, and inspected crew at quarters, and instructed all divisions, orally. Aneroid barometer 30.00.

Meridian to 4. P M. Karl Rhoer, Lieutenant

Weather partly cloudy and hazy but generally pleasant. Stiff breeze from W by S. Took in and furled topgallantsails and jib at 1.00 and took a single reef in the topsails. Barometer falling. Aneroid at end of watch 30.00.

4 to 6 P. M. C. H. Lee Lieutenant.

Cloudy and pleasant. Fresh breeze from W by S. Rough sea. Barometer steady. Aneroid barometer 29.98.

W W Irwin
Master

6 to 8 P. M.

Cloudy, pleasant. Strong breeze from W by N. Moderate sea. At 8.00 changed course to N. N. E. Aneroid 30.00. Patent log at end of watch registered 8 4/4 miles.

Wainwright Kellogg USN Lieutenant

8 P. M to Midnight

Weather cloudy but not altogether unpleasant. Heavy rain during second hour of watch. Braced in the yards and set topgallantsails at 10.00. Fresh breeze from W by S. to W. S. W. Barometer steady. Fires banked under two boilers Aneroid barometer 30.00.

Karl Rhoer, Lieutenant

Moon 1 mid
Dec. 3° 09' 89" N
Phase. New moon.

U. S. S. "Essex." 3d Rate.
July 18th 1882

We recommend that William Stevenson (2 Class) be rated 1st Class Fireman, and Wm H. Crawford (Lds.) be rated 2d Class Fireman.

W. W. Mackenzie Lieutenant
W. T. Parker Lieutenant
F. J. Hoffman P. A. Engineer.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo, Uruguay to Valparaiso, Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	5	N.N.E.	W.S.W.	4-5		29.94	60	56	54	55	o c s r	cumb	0	M.	Plain sail to topgallts
2	7	4	"	"	5-6		29.93	60	56	54	55	"	"	0	"	Once reef in topsails
3	7	4	"	"	5-6		29.92	60	56	54	56	"	"	0	"	
4	7	2	"	"	5-6		29.92	60	56	54	56	o c m	"	0	"	
5	7	2	"	N.N.W.	4-6		29.91	60	56	55	56	"	"	0	"	
6	7	0	"	"	4-7		29.90	60	56	53	56	b c	Cir Cum	4	"	
7	7	2	"	"	6-7		29.85	61	57	55	56	"	"	3	"	
8 (S 37.36 W 78.03)	7	6	N.NE ½E.	N.W × W.	6-7		29.83	66	57	55	56	"	"	1	"	
9	8	0	"	"	6-7		29.82	66	57	55	56	o c d	"	0	"	
10	7	6	N.N.E	"	6-7		29.82	67	57	55	56	"	"	0	"	Took in topgallt sails
11	5	0	"	"	6-7		29.78	67	57	55	56	"	"	0	"	Close reefed topsails and
Noon.	5	0	"	"	6-7		29.73	67	57	55	56	"	"	0	"	foresail.

Distance run by Log since preceding Noon	171 knots	7 ~~fathoms~~ tenths
Latitude by D. R. at Noon	37 ° 19 · 21" S'	
Longitude by D. R. at Noon	77 ° 35 - 45" W	
Latitude by Observations at Noon ⊙	° ' "	
Longitude by Chronometer from Forenoon Observations ⊙	° ' "	
Current during the time knots fms. per hour, setting to the		
370 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "	
370 Variation of the Compass by Azimuth ⊙ observed at	° ' "	
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1170	"
Coal consumed during the preceding 24 hours	1 tons	660 lbs.
Coal remaining on hand at Noon	46 "	581 "

P. M.															
1	3	0	N × E.	W.N.W.	6-8	29.75	65	57	55	56	o c g r	cumb	0	M	Took in flying stay sail
2	3	0	N.N.W.	S.S.W.	5-6	29.75	65	55	53	56	"	"	0	"	Took in main topsail
3	5	0	N.	S	4-5	29.79	65	53	51	56	o c r	"	0	"	
4	6	0	"	S × W.	4-5	29.81	65	53	51	56	b c r	Cum Nimb	2	"	
5	7	0	"	S.S.W.	5	29.85	65	51	50	56	b c	"	3	"	Shook reef out of foresail
6	6	8	"	"	5	29.89	65	53	50	56	"	Cir	6	"	and let out reef topsails
7	7	6	"	"	5	29.90	70	53	50	56	"	Cir cum	6	"	Set topgallt sails
8 (S 36.35 W 77.13)	7	8	N NE ½ E.	"	4	29.94	72	53	50	56	"	"	6	"	Shook reef out of topsails
9	7	0	"	"	4	29.97	72	54	49	56	"	"	9	"	
10	7	4	"	"	4	29.98	69	54	49	56	"	"	9	"	
11	7	6	"	"	4	30.00	67	54	49	56	"	"	9	"	
Mid.	7	0	"	"	4	30.00	66	54	49	57	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	° ' "	
Longitude by Chronometer from Observations *	° ' "	
Variation of the Compass by Amplitude observed at Sunset	° ' "	
Variation of the Compass by at	° ' "	

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday July 19th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and squally with passing showers Barometer falling. Aneroid at end of watch 29.97.
4 to 8 A.M.

C. H. Lee Lieutenant

Pleasant weather. Fresh breeze from N.N.W. Moderate sea, Barometer falling. Aneroid barometer 29.92.
8 A.M. to Meridian

W. M. Imm Master.

Overcast gloomy. Heavy showers of rain. Fresh breeze at commencement of watch which gradually freshened to a moderate gale from N.N. Remarkably moderate sea for force of wind. Got up starboard chain and overhauled the shackles. At 9.30 took in and furled topgallant sails. At 10.30 took close reef in topsails and foresail Aneroid at end of watch 29.78, falling. Patent log at end of watch 6 miles.
Meridian to 4 P.M.

W. Winslow Kellogg
ck Lieutenant

Weather squally wet and threatening in first part of watch. Clearing up somewhat latter part. Barometer rising. Cumulus and nimbus clouds Breeze varying in direction from S to N.N.W. and in force from a moderate breeze to a fresh gale. At 12.10 took in fore topmast staysail and hauled down head of main trysail. At 1.30 bore up and put the ship before the wind, taking in main trysail and squaring the yards. At 3.00 shook two reefs out of the topsails and one out of the foresail, and set the topgallant sails, bracing up about a point by the starboard braces. Fires banked under two boilers. Aneroid 29.89.
4 to 6 P.M.

A. Hood Baker Lieutenant

Weather clearing with rising barometer. Mustered at quarters at 4.46. Shook the reef out of the foresail at 5.00. Aneroid at end of watch 29.92
6 to 8 P.M.

C. H. Lee Lieutenant

Clear and pleasant. Bright moonlight and starlight. Moderate breeze from S.S.W. At 6 shook reef out of topsails At 7.00 changed course to N.N.E. 1/2 E. Patent log reading 56 knots. Aneroid barometer at the close 29.96.
8 P.M. to Midnight

W. M. Imm Master

Clear, cool and pleasant. Fresh breeze from S.S.W. Moderate sea, ship rolling 25° each way at times. Moon set at 9.00. Screw detached and making 85 turns. Patent log at end of watch read 87 miles.

W. Winslow Kellogg ck Lieutenant

Examined and found to be correct.

W. H. Carpenter
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay to Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	5	N.NE½E.	S.W×S.	4		30.02	63	54	51	57	bcp	cir.cum cumulous	2	L	Reef in sail mainsail
2	7	5	"	"	4		30.02	63	54	51	57	bc	cicum	3	"	spanker and topsail and
3	7	0	"	"	4		30.05	62	54	51	57	"	"	5	"	fore storm staysail
4	7	0	"	"	5		30.07	63	54	51	57	"	cum	9	"	
5	7	2	"	"	5		30.07	62	55	51	57	"	"	9	"	
6	7	0	"	"	5		30.07	65	55	52	57	"	"	8	"	
7	6	5	"	"	4		30.09	64	55	51	58	"	"	8	"	
S. 35°-33' W 8	6	0	"	"	4		30.11	62	55	49	58	"	"	8	"	
75°32 9	5	4	"	"	3		30.17	66	56	52	58	bcp	"	8	"	Hauled down fore staysl
10	6	0	"	"	3		30.20	67	57	52	58	bc	"	7	"	
11	5	8	"	"	3		30.20	64	57	52	58	"	"	8	"	
Noon.	4	4	"	"	2		30.20	64	58	53	58	"	"	7	"	

Distance run by Log since preceding Noon — 152 knots 5 ~~tenths~~

Latitude by D. R. at Noon — 35° 18' 00" S

Longitude by D. R. at Noon — 75° 36' 00" W

Latitude by Observations at Noon ⊙ — 35° 19' 12" S

Longitude by Chronometer from Forenoon Observations ⊙ — 75° 15' 05" W

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

370 Variation of the Compass by Azimuth ⊙ observed at 8 am. — 18° 00' E

370 Water expended during the preceding 24 hours — 305 gallons.

Water *distilled* during the preceding 24 hours — 15 "

Water remaining on hand fit for use at Noon — 880 "

Coal consumed during the preceding 24 hours — 1 tons 160 lbs.

Coal remaining on hand at Noon — 45 " 421 "

P. M.															
1	5	0	NNE½E.	S.W×S	3	30.20	65	59	54	58	bcp	circum	6	L	Same
2	5	6	"	"	4	30.21	67	57	54	58	"	"	7	"	
3	4	6	"	"	4	30.22	65	56	54	58	bc	"	6	"	
4	4	4	"	"	4	30.25	65	56	53	57	bcp	"	5	"	
S 35° 01 5	5	0	"	"	4	30.23	65	56	53	57	bc	"	5	"	
75°00' W 6	4	5	"	"	3	30.28	65	56	53	57	"	"	6	"	
8 7	6	0	"	"	4	30.32	65	55	52	57	ocr	nimb	0	"	
34..50 W 8	5	0	"	"	4	30.34	65	54	51	57	bcp	cumo	4	"	Took in mo royals
74..46 9	5	4	"	"	3	30.35	70	53	50	57	bc	"	8	"	
10	5	2	"	"	3	30.38	67	53	50	58	"	cir	9	"	
11	5	5	"	"	4	30.39	64	53	50	58	"	"	9	"	
Mid.	6	8	"	"	5	30.40	64	63	50	58	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 75° 22' 00" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A.H. McCormick, U. S. Navy,

Thursday July 20th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather clear and pleasant. Barometer rising. Clouds cirro-cumulus and nimbus. Ship rolling easily to a swell from N and N^E. Moderate to a fresh breeze from S.W by S. Fires banked under two boilers. Aneroid barometer 30.08.

4 to 8 A.M. Yard Robertson Lieutenant

Fine weather. Moderate breeze from S.W by S. Long swell from S^E and N^E. Barometer rising. Aneroid at end of watch 30.11.

8 A.M to Meridian. C.P. Rees Lieutenant

Bright pleasant weather with occasional light passing showers. Moderate breeze from S.W by S. Long swell from S^E and N^E, ship rolling deply at times. Barometer rising. Hauled down fore storm staysail. Aneroid barometer at the close, 30.09. Commenced distilling fresh water.

Meridian to 4 P.M. W.W. Sumner Master

Clear and pleasant with occasional light showers of rain. from S.S.W. Moderate sea with long swell from direction of wind. Crossed and set main royal. Aneroid Steady 30.20.

4 to 6 P.M. Warington Smyth Kellogg Lieutenant

Weather clear and pleasant. Gentle to moderate breeze from S.W by S. Barometer rising. Clouds cirro-cumulus. Ship rolling easily to a swell from the S^E. Fires banked under two boilers. Aneroid barometer 30.21.

6 to 8 P.M. Yard Robertson Lieutenant

Weather clear and pleasant. Gentle to moderate breeze from S^E and N^E. Smooth sea. Barometer rising. Aneroid at end of watch 30.32.

8 P.M. to Midnight. C.P. Rees Lieutenant

Pleasant weather. Bright starlight. Light breeze from S^E freshening latter part. Moon set at 10.00. Barometer rising. Furled main royal at 8.00. Aneroid barometer at the close 30.34.

W.W. Sumner Master

Moon l. mid. Dec. 5° 17' 09" S
Phase New moon.

Examined and found to be correct.

W.T. Sampson
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Making passage from Montevideo, Uruguay to Valparaiso, Chile.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	N.N.E½E.	S.E+E.	5		30.39	62	53	50	58	bcqpr	cumnimb	5	8	Reef to topgallantsails
2	7	0	"	"	6		30.39	60	53	50	58	"	"	5	"	except mainsail
3	7	0	"	"	6		30.38	57	53	49	58	bc	"	5	"	Set jib and main topsail
4	7	0	"	"	6		30.38	56	53	49	58	"	"	5	"	
5	7	0	"	"	5		30.41	56	53	49	57	"	cicumu	7	"	
6	7	0	"	S.E.	5		30.41	56	53	49	57	"	"	5	"	
7	7	0	"	"	5		30.41	56	53	48	57	"	"	5	"	
5 33 48 W 73 43 8	6	0	"	"	4		30.43	56	52	49	57	"	"	7	"	
9	6	0	"	"	4		30.46	52	53	49	57	"	"	6	"	
10	6	0	"	"	4		30.49	52	53	49	57	"	"	6	"	
11	6	8	"	"	4		30.49	60	53	49	56	"	"	6	"	
Noon.	6	8	"	"	4		30.50	60	53	49	56	"	"	8	"	

Distance run by Log since preceding Noon — 143 knots 6 tenths
Latitude by D. R. at Noon — 33° 36' 00" S'
Longitude by D. R. at Noon — 73° 15' 00" W
Latitude by Observations at Noon ⊙ — 33° 29' 05" S'
Longitude by Chronometer from Forenoon Observations ⊙ — 73° 20' 00 W
Current during the time knots fms. per hour, setting to the
349 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at 8 am — 16° 40' E
349 Water expended during the preceding 24 hours — 300 gallons.
Water distilled during the preceding 24 hours — 1620 "
Water remaining on hand fit for use at Noon — 2200 "
Coal consumed during the preceding 24 hours — 2 tons 720 lbs.
Coal remaining on hand at Noon — 42 " 1941 "

P. M.															
1	6	8	N.N.E½E.	S.E	5	30.48	57	50	49	56	bc	cumn	8	8	Same
2	7	2	N.E.	"	6	30.48	57	53	49	56	"	"	8	"	
3	7	6	"	"	6	30.48	57	53	49	56	"	"	9	"	
4	7	4	"	"	6	30.46	60	53	49	56	"	"	9	"	Took in topgallantsails
5	7	0	"	"	6	30.45	65	53	49	56	"	"	9	"	Took in topsails and foresail
6	6	0	"	"	6	30.43	65	53	49	56	"	"	9	"	Set main topsail.
5 33 00 W 72 25 7	8	0	"	"	6	30.42	65	52	50	55	b		10	"	Hauled down jib and
8	8	0	"	"	6	30.39	65	52	50	55	"		10	"	fore topmast staysail
9	6	0	E.N.E½E.	"	6	30.37	65	53	50	55	bc	cir	8	"	
10	6	0	"	"	7	30.37	62	53	50	55	"	"	8	"	
11	6	0	"	"	7	30.35	62	52	49	54	b		10	"	
Mid.	2/3	0/5	E½S.	"	7	30.35	70	52	49	54	"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 73° 29' 00 W
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by ag 0 4' at P.M. — 16° 00' "E

under the command of Commander A.K. McCormick, U. S. Navy,

Friday July 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Clear and pleasant. Bright starlight. Moderate breeze from S.E. Smooth sea. At 1 set jib and main trysail. Aneroid 30.38.
4 to 8 A.M. Wainwright Kellogg Lieutenant.

Clear and pleasant weather. Moderate to fresh breeze from S.E. to SE by E. Clouds cirro cumulus. Barometer rising. Fires banked under two boilers. Aneroid barometer 30.40.
8 A.M. to Meridian. Karl Rohrer, Lieutenant

Clear and pleasant. Moderate breeze from S.E. Long swell from S. Barometer rising. Exercised at general quarters at 9.15. Crew at work cleaning ship and making preparations for port. Unbent, and stowed away storm sails. Aneroid at end of watch 30.411
Meridian to 4 P.M. C. Rees Lieutenant

Pleasant weather. Fresh breeze from S.E. Barometer steady. Took in and furled topgallant sails at 3.50. At 1 changed course to NE. Got up and bent both chains. Spread fires at 3.20. in boilers No. 4. 5 and 7.
4 to 6 P.M. W. M. Emmons Master.

Clear, cool, pleasant. Moderate breeze from S.E. Moderate seas. At 4.40 mustered at quarters. At 4.49 called "All hands" and took in and furled all square sail. Sent down main royal yard. At 5.20 commenced steaming slow. Steaming under six boilers. Aneroid 30.40.
6 to 8 P.M. Wainwright Kellogg Lieutenant

Weather clear and pleasant. Barometer steady. Strong breeze from S.E. Under steam and main trysail. Pressure of steam 40 lbs and 36 revolutions. Moderate seas. Bright moon and starlight. At 8.00 changed course to E by N. 1/2 N by order of Commanding Officer. Aneroid barometer 30.40.
8 P.M. to Midnight. Karl Rohrer, Lieutenant

Weather clear and cool. Strong breeze from S.E. Moderate seas. Changed course at 11.15 to E 1/2 S. Sighted flash light on starboard bow at 11.00. bearing E by S. Aneroid at end of watch 30.34.
C. Rees Lieutenant

Moon 1 mid. Examined and found to be correct.
Dec. 9. 17 13 S.
Phase New moon.

W. T. Sampson
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Montevideo. Uruguay. to Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	5	E by S.	S.E.	6		30.35	67	52	49	54	b		10	M	Main topsail. Steam.
2	Lying to		W × S.	"	6		30.35	69	52	49	54	"		10	"	Main topsail.
3	"		"	"	7		30.34	69	52	49	54	"		10	"	
4	"		"	"	7-8		30.32	68	52	49	54	"		10	"	
5	"		"	"	7-8		30.30	65	52	49	54	"		10	"	
6	3	0	E.S.E.	S × E.	7		30.28	67	52	49	54	"		10	"	Steam at 5.30
7	5	0	"	"	7		30.26	68	53	49	54	"		10	"	Took in main topsail
S 33°01 8	5	0	"	"	7		30.26	72	53	50	54	"		10	"	and topmast staysail.
W 71°41 9	Standing into Anchorage			"	1		30.26	72	54	50		"		10	"	
10	At anchor		N.W.	N.W.	1		30.25	72	53	51		"		10	"	
11	"		"	"	0-1		30.25	72	60	55		"		10	"	
Noon.	"		"	"	1-0		30.21	72	62	54		"		10	"	

Distance run by Log since preceding Noon 97 knots 0 tenths

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 310 gallons.

Water distilled during the preceding 24 hours 810 "

Water remaining on hand fit for use at Noon 27000 "

Coal consumed during the preceding 24 hours 9 tons 110 lbs.

Coal remaining on hand at Noon 33 " 1911 "

P. M.															
1	Anchored	N.N.W.	S.W.	3	30.18	65	66	56		b		10	S	
2	"	W × S.	"	3	30.18	65	64	54		"		10	"	
3	"	W.S.W.	"	3	30.18	65	64	54		"		10	"	
4	"	S.W.	"	3	30.18	65	63	53		"		10	"	
5	"	S	S	1-0	30.17	65	61	53		"		10	"	
6	"	E	E.	1-0	30.17	65	61	53		"		10	"	
7	"	N.E.	N.E.	1-0	30.17	65	60	50		"		10	"	
8	"	"	"	1-0	30.18	65	59	53		"		10	"	
9	"	N.N.E.	N.W.	1-0	30.18	62	60	54		"		10	"	
10	"		"	2	30.17	62	59	53		"		10	"	
11	"	E.N.E.	"	2	30.16	61	58	52		"		10	"	
Mid.	"	N × W	"	2	30.15	61	58	52		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A.N. McCormick, U. S. Navy,

Saturday July 22d, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Fresh breeze from S.E. Barometer steady. At 12.35 laid ship to on port tack under main trysail and banked fires Barometer steady. Aneroid barometer 30.28.

4 to 8 A.M. W.M. Smith Master

Clear and pleasant. Fresh breeze from S.E. At 5.30 started ahead with engines and stood E.S.E. for Valparaiso light. At 7 took in all fore and aft sail. At end of watch standing in toward land. Aneroid 30.20.

Wainwright Kellogg
8 AM to Meridian 2nd Lieutenant

Weather clear and pleasant. Barometer steady. Light airs from S by E. to N.W. Standing in for an anchorage in Valparaiso Roads. Came to with starboard anchor in 16 fathoms of water, veering to 45 fathoms of chain at 9.20. Draft of vessel 15 ft. 2 in. Aft. and 13 feet forward. Officers from the Chilean Flagship "Admiral Cochrane" the English Flagship "Sutlej" and the French Gunboat "Linier" came alongside with offers of the usual civilities. The Captain of the Port came on board and gave the ship pratique. An English mail steamer came in and anchored. Engaged in cleaning and painting ship outside. Aneroid 30.18. *

Meridian to 4 P.M. Ward Robinson 2nd Lieutenant

Weather clear and pleasant. Gentle breeze from S.W. Barometer steady. Engaged painting ship and at general work about decks. Sent an officer to return thanks for the courtesies extended by the Commanding Officers of the men of war in the harbor. Aneroid at end of watch 30.12.

4 to 8 P.M. A Rees 2nd Lieutenant

Weather clear and pleasant. Barometer steady. Light breeze from S to N.E. Engaged in painting ship outside and hammock cloths. Aneroid barometer 30.12.

8 P.M. to Midnight. Ward Robinson 2nd Lieutenant

Clear and pleasant. Light breeze from N.W. Aneroid at end of watch 30.14.

A Rees 2nd Lieutenant

* Bearings anchorage Baja Rock = N. 2W
Fort = S 3/4 E
Smoke Pt = E 2 E

Moon Aneroid
Dec 12° 59' 06" S.
Phase, New moon

Examined and found to be correct.

W. F. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Valparaiso, Chile, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchor		N.N.W.	N.E.	0-2		30.12	60	57	51		b		10	S.	
2	"		"	"	0-2		30.11	60	57	51		"		10	"	
3	"		"	"	0-2		30.10	60	56	51		"		10	"	
4	"		"	S.S.E.	0-2		30.09	58	56	51		"		10	"	
5	"		"	S.	0-1		30.09	58	55	50		"		10	"	
6	"		"	"	0-1		30.08	58	55	51		b o	Cir	9	"	
7	"		"	Calm	0		30.11	59	54	50		"	"	9	"	
8	"		S.E.	"	0		30.13	59	54	50		"	"	9	"	
9	"		N.E. × E.	"	0		30.10	59	54	50		"	"	9	"	
10	"		"	N.W.	0-2		30.17	58	56	50		"	"	6	"	
11	"		"	"	0-2		30.17	59	56	50		"	Cir Cum	3	"	
Noon.	"		"	"	0-2		30.14	59	56	50		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 380 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2320 "

Coal consumed during the preceding 24 hours — tons 500 lbs.

Coal remaining on hand at Noon — 33 " 1101 "

P. M.														
1	Anchor	S.S.W.	S.S.W.	3	30.10	59	57	52	b o	Ci Cum	6	S		
2	"	S.W. × W.	"	0-2	30.10	60	57	51	"	Cir	5	"		
3	"	W. × S.	Calm	0	30.08	60	60	53	"	"	5	"		
4	"	N.W.	"	0	30.08	60	60	53	"	"	5	"		
5	"	W.S.W.	S.W.	0-2	30.07	60	57	51	"	Cir Str	8	"		
6	"	S.W.	"	0-1	30.10	60	57	51	"	"	8	"		
7	"	S.W. × W.	Calm	0	30.11	60	58	53	"	Cir	8	"		
8	"	S by E.	"	0	30.12	60	57	53	"	"	9	"		
9	"	S.E.	"	0	30.10	63	57	53	"	"	9	"		
10	"	"	"	0	30.10	63	57	53	"	"	9	"		
11	"	E.	"	0	30.10	60	57	52	"	"	9	"		
Mid.	"	S.E.	"	0	30.10	63	57	53	"	"	9	"		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. July 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather, sky cloudless. Bright starlight. Light breze from N.E. Barometer falling slowly. Aneroid bar. 30.08
4 to 8 A.M. W.M. Smith Master

Weather clear and pleasant. Barometer rising. Calm in latter part of watch and light airs from the S.E. in first part. Cirrus clouds. Aneroid Barometer 30.11.
8. AM. to Meridian. Virgil Asher, Lieutenant

Clear and pleasant. Light airs from N. and calms. Mustered at quarters at 10 the Commanding Officer inspected the ships. Barometer rising. Hoisted out steam cutter. Aneroid at end of watch 30.08.
Meridian to 4 P.M. D. Ring Lieutenant

Pleasant weather. Light airs from S.S.W. first part, calm latter part. Barometer falling slightly. Aneroid barometer 30.06. The U.S. Consul visited the ship and was received with the customary honors.
4 to 8 P.M. W.M. Smith Master

Clear and pleasant. Light variable airs and calms, Barometer rising. Aneroid at end of watch 30.08.
8 P.M. to Midnight. D. Ring Lieutenant

Clear and calm, Bright moonlight and starlight. Barometer steady. Aneroid barometer 30.09.

W.M. Smith Master

Moon's mid. Dec. 16° 13' 42" S Phase. New moon

Examined and found to be correct.

W. H. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchord		E.S.E.	S.S.E.	0-1		30.07	58	54	49		bc	cum	8	8	
2	"		S.E.	"	0-1		30.07	60	53	49		"	"	8	"	
3	"		S.E.×E.	"	0-1		30.08	60	52	48		b		10	"	
4	"		E×N	"	0-1		30.10	60	52	49		bc	cir cum	7	"	
5	"		N.	Calm	0		30.06	60	53	50		"	"	6	"	
6	"		"	"	0		30.06	60	53	50		"	"	4	"	
7	"		N.	S.N.	0-1		30.07	60	54	51		"	"	3	"	
8	"		N.N.	Calm	0		30.08	60	54	51		oc	mist	0	"	
9	"		"	"	0		30.10	59	54	51		bc	"	2	"	
10	"		"	"	0		30.10	59	54	51		"	"	1	"	
11	"		N.	"	0		30.12	58	54	51		"	"	1	"	
Noon.	"		SE×E.	"	0		30.14	58	54	51		"	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 390 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1730 "

Coal consumed during the preceding 24 hours tons 500 lbs.

Coal remaining on hand at Noon 138 " 901 "

P. M.															
Anchord		S.E.	Calm	0		30.12	59	54	51		oc	cir cum	0	8	
2	"	E.	"	0		30.11	59	54	51		"	"	0	"	
3	"	N×W.	"	0		30.11	59	54	51		"	"	0	"	
4	"	N.E.	"	0		30.11	59	54	51		"	"	0	"	
5	"	N.	"	0		30.09	60	55	52		bcm	mist	2	"	
6	"	"	"	0		30.08	60	56	52		"	"	3	"	
7	"	N.W.	"	0		30.08	60	56	54		"	"	3	"	
8	"	W.N.W.	"	0		30.08	60	56	52		"	"	3	"	
9	"	N×W½W.	"	0		30.08	60	56	52		"	"	3	"	
10	"	NW	"	0		30.08	60	55	51		"	cir cum	1	"	
11	"	"	"	0		30.08	60	55	51		ocm	"	0	"	
Mid.	"	S.W×W.	S.	0-1		30.08	60	54	51		"	"	0		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A.H. McCormick, U. S. Navy,

Monday, July 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light airs from S.S.E. Aneroid 30.09.
4 to 8 A.M. W. Winnington-Ingram Lieutenant
Overcast, calm and pleasant. Barometer rising. Made preparations for coaling ship. Aneroid at end of watch 30.09.
8 A.M. to Meridian. O. Rees Lieutenant
Cloudy and cool. Calm. Crew employed during watch coaling ship. Commanding Officer left the ship to pay official visits. Aneroid at close 30.09.
Meridian to 4 P.M. W.M. Imrie Master
Cloudy, pleasant, calm. Coaling ship. Aneroid 30.09
Commanding Officer left the ship to make official visits.
4 to 8 P.M. W. Winnington-Ingram Lieutenant.
Cloudy and misty. Calm. Barometer falling slightly. Finished coaling ship, having taken in 105 tons. Aneroid barometer 30.09.
8 P.M. to Midnight. W.M. Imrie Master
Cloudy, pleasant. Light airs and calms. Aneroid 30.10
W. Winnington-Ingram Lieutenant

Moonlmid
Dec 18° 48' 57" 8
Phase 1st Qr

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso, Chile, S.A

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1 Anchor			S.E.	S.E.	0-1		30.08	58	55	50		bc	circum	3	S.	
2	"		"	"	0-1		30.08	58	55	50		"	"	5	"	
3	"		S.E.×S.	"	0-1		30.06	58	52	49		"	"	7	"	
4	"		S.E.×E.	"	0-1		30.04	58	52	49		"	"	6	"	
5	"		E.S.E.	"	1		30.02	57	53	49		"	"	5	"	
6	"		"	"	1		30.02	57	52	49		"	"	5	"	
7	"		S.S.E.	"	1		30.03	57	52	49		"	"	5	"	
8	"		N.E.×N.	"	1		30.05	57	52	49		"	"	5	"	
9	"		N.E.	Calm	0		30.08	60	54	52		"	"	3	"	
10	"		"	"	0		30.10	60	53	53		"	"	3	"	
11	"		N.×W.	"	0		30.10	60	57	54		"	Cir	2	"	
Noon.	"		N.W.	"	0		30.08	60	57	54		oc	circum	0	"	

P. M.																
Anchor			N.×E.	N.×E.	0-1		30.08	58	50	51		bc	circum	3	S.	
2	"		N.N.W.	"	0-1		30.06	60	56	54		"	"	4	"	
3	"		N.N.E.	"	0-1		30.08	60	56	52		"	"	4	"	
4	"		N.E.×E.	"	1		30.04	60	56	54		oc	"	4	"	
5	"		N.E.×N.	"	1		30.04	60	57	54		"	"	4	"	
6	"		"	"	1		30.04	60	57	54		"	"	4	"	
7	"		N.N.W.	"	1		30.04	60	58	54		"	"	4	"	
8	"		"	"	1		30.04	60	58	54		"	"	4	"	
9	"		"	"	1		30.04	60	57	53		"	"	0	"	
10	"		N.×E.	"	1		30.02	60	57	55		"	"	0	"	
11	"		"	"	1		30.00	60	57	55		"	"	0	"	
Mid.	"		N.×W.	"	1		30.00	58	56	54		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 530 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours tons 1900 lbs.

Coal remaining on hand at Noon 137 " 1241 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, July 25th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer falling. Clouds cirro-cumulus. Light airs from S.E. Aneroid barometer 30.07.
7/ Jan C Parker,
4 to 8 AM. KK Lieutenant

Cloudy and pleasant. Light airs from S.E. Barometer rising. Cirro cumulus clouds. Aneroid at the close 30.08.
8 AM to Meridian. W.M. Orr Master

Cloudy, warm, pleasant. Light variable airs and calms. Received official visits from the French and English Commanding Officers. Aneroid 30.10
Meridian to 4 P.M. W Winslow Kellogg LOK Lieutenant

Weather clear and pleasant, Barometer steady. Cirro cumulus clouds. Light airs from N by E. Engaged scraping and painting the battery. Sent a liberty party on shore. The Commanding Officer of the Chilian Ironclad "Admiral Cochrane" paid an official visit to the ship. Aneroid barometer 30.03.
4 to 8 P.M. 7 K C Parker, Lieutenant

Pleasant. Light airs from N. Served out clean hammocks. At 4.30 mustered at quarters. Aneroid 30.01
8 PM to Midnight W Winslow Kellogg Lieutenant

Overcast and cloudy. Light breeze from N by E. Clouds cirro-cumulus. Barometer falling. Aneroid barometer 30.02
Ward Parker, Lieutenant

Moon's mid Examined and found to be correct.
Dec 20° 31' 05" S.
Phase 1st Quarter

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,
Valparaiso, Chili S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.E. × N.	N.N.W.	1		30.00	59	55	52		oc	nimb	0	S.	
2	"		"	"	1-3		30.00	58	53	52		"	"	0	"	
3	"		E × N.	"	1-3		30.00	58	55	52		"	"	0	"	
4	"		"	"	1-2		30.00	58	54	51		"	"	0	"	
5	"		"	"	3		30.00	58	54	51		"	"	0	"	
6	"		N.W.	N.	2		30.00	58	54	51		"	"	0	"	
7	"		N × W.	"	3		30.01	58	54	51		bc	cumu	5	"	
8	"		N.W. × N.	"	5		30.01	58	55	52		oc	"	0	"	
9	"		N.N.W.	N.N.W.	4-6		30.07	58	54	52		ocq	cumulo cir cumu	0	"	
10	"		"	"	5-6		30.10	58	54	52		ocq/v	"	0	"	
11	"		N.	N.E.	3-4		30.10	58	55	53		ocd	cir cumu D cumu	0	"	
Noon.	"		"	"	3-4		30.10	58	55	53		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 400 gallons.
Water — during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 800. "
Coal consumed during the preceding 24 hours — tons 2050 lbs.
Coal remaining on hand at Noon — 136 " 1431 "

P. M.																
Anchored			N.N.E.	N.W	3-5		30.10	60	55	53		ocm	nimbus	0	S	
2	"		"	"	3-4		30.09	60	55	53		"	"	0	"	
3	"		N.	"	3-6		30.13	60	55	53		"	"	0	"	
4	"		"	"	3-6		30.10	60	55	53		"	"	0	"	
5	"		N.E. × N.	N.	3		30.10	60	55	52		oc	cir cumu nimbus	0	S	
6	"		"	N.E.	3		30.11	60	55	52		"	"	0	"	
7	"		"	"	3		30.15	60	55	52		bc	cir cumu	2	"	
8	"		"	N × E.	3		30.18	61	55	52		"	"	4	"	
9	"		North	"	2		30.18	61	55	52		"	"	5	S	
10	"		N.N.W.	"	2		30.18	60	55	52		"	"	6	"	
11	"		W × N.	S.S.E.	0-1		30.19	60	54	51		"	cir cumu Cumulo nimbus	4	"	
Mid.	"		N.W × W.	S.W × S	0-1		30.19	60	54	51		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, July 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast, Barometer steady, Aneroid at end of watch 30.00, Gentle breeze from N.N.W. Moderate swell from N.
4 to 8 AM. P.K.Rhodes Lieutenant

Cloudy. Light breeze from N., which gradually freshened to strong breeze, Long swell, and considerable sea, At 8.00 sunded to 76 fathoms on Starboard chain. Aneroid 30.05.
8 AM to Meridian. Wainwright Kellogg Lieutenant

Weather squally and threatening though promising better in latter part of watch. Breeze gentle to fresh from N.E. to N.N.W. Barometer rising. Clouds cirro cumulus, cumulus and nimbus. Drizzling rain and passing showers at intervals. At 8.30 started fires under four boilers. At 8.45 sent down topgallant yards and masts, secured boats and battery for sea, rigged in lower booms and counter braced the yards. Aneroid barometer 30.12.
Meridian to 4 P.M. Ward Robbins Lieutenant

Weather overcast and squally with passing showers. Heavy swell from N., Barometer steady. Called all hands up anchor at 1 o'clock. Got underway, steamed for anchorage further from the shore, Let go starboard anchor in 35 fathoms water and veered to 90 fathoms of chain at chain pipe. Shackled on 45 fathoms of shot chain to starboard bower chain ready for veering with longer scope. Banked fires, commenced distilling. Aneroid at end of watch 30.12. Paid off monthly money to crew. Bearing & from anchorage Baja Rock N. x N. ½ N. Guarda Point N.E. x E. ½ E. Port Anchorage N.E. ½ E. S.W. N.N.W.
4 to 8 P.M. P.K.Rhodes Lieutenant

Weather overcast and cloudy in first part of watch clearing up in latter part, Barometer rising, Gentle breeze from S.S.W. to W.S.W. Clouds cirro cumulus and nimbus. Fires banked, distilling water. At 5.15 mustered crew at quarters and found Danl. Howell (Sds) Wm. H. Crawford, Sds and Wm. A. Paulson, (Ship's Blacksmith) absent from the ship without leave, Aneroid barometer 30.18.
8 P.M. to Midnight. Ward Robbins Lieutenant

Weather generally clear and pleasant, Light variable airs. Long swell from N.W. Ship rolling uncomfortable. Barometer rising. Aneroid at end of watch 30.20.
P.K.Rhodes Lieutenant

Moon 1 mid
Dec 21° 08' 31" S.
Phase 1st Quarter

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.W.	S.E	0-1		30.19	59	54	51		bc	nimb	5	L	
2	"		N.W.	Calm.	0		30.21	59	54	51		"	cir-cum	7	"	
3	"		N.	N.N.E.	0-1		30.22	59	54	51		"	"	8	"	
4	"		"	"	0-1		30.22	59	54	51		"	"	9	"	
5	"		"	"	0-1		30.20	58	53	50		"	cir cum + Cumu	5	"	
6	"		N.W×W.	"	0-2		30.20	58	52	49		"	"	6	"	
7	"		W.S.W	S.W×S.	0-2		30.20	58	53	50		"	"	4	"	
8	"		N.W.	S.W.	0-2		30.22	58	53	50		"	"	3	"	
9	"		"	"	1		30.24	58	53	50		"	"	4	"	
10	"		N×W	"	1		30.27	56	58	51		"	"	4	"	
11	"		N.	"	1		30.25	59	55	51		"	"	5	"	
Noon.	"		"	"	1		30.26	59	51	51		"	"	4	"	

P. M.																
Anchored			N.W×W.	N.W.	1		30.20	58	58	54		bc	cir cum	4	L	
2	"		"	"	1		30.20	58	57	52		"	"	4	"	
3	"		"	"	1		30.20	58	57	53		"	"	11	"	
4	"		N.W×W.	"	1		30.20	58	56	53		"	"	4	"	
5	"		"	"	1		30.20	58	56	53		"	"	6	"	
6	"		W.N.W	S.W.	1		30.21	58	55	53		"	"	3	"	
7	"		S.W.	"	1		30.21	61	56	53		"	"	2	"	
8	"		"	"	1		30.20	61	54	50		"	Cir	4	"	
9	"		S.S.E	S.E.	1		30.20	61	52	50		"	"	8	"	
10	"		"	S.E×S.	1		30.20	61	53	49		"	Cir str	9	"	
11	"		"	"	1		30.20	60	52	48		"	"	9	"	
Mid.	"		"	"	1		30.20	59	52	48		"	cumu & cir str	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 1750 "

Water remaining on hand fit for use at Noon — 2200 "

Coal consumed during the preceding 24 hours — 3 tons 1130 lbs.

Coal remaining on hand at Noon — 133 " 1001 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday. July 27th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Light variable airs and calms. Bright moonlight and starlight. Barometer rising. Distilling fresh water. Fires banked. Aneroid barometer at the close, 30.21

4 to 8 A.M. W.M. Simpson Master.

Weather pleasant. Barometer steady. Clouds cirro-cumulus and cumulus. Light airs from N.N.E. to S.W by S. Fires banked. Distilling water. Aneroid barometer 30.22. At 8.00 sent up topgallant masts and yards.

8 A.M to Meridian. Wad Robertson Lieutenant

Weather clear and pleasant. Light airs from S.E and E.S.E. Smooth sea. Barometer nearly steady. Mustered at quarters at 9.30. Exercised first division at single sticks 2d Division and Marines at small arms. 3d Division at single sticks. By order of Commanding Officer placed Louis F. Schuman, C.A. in solitary confinement on bread and water for four days for swearing and disobedience of orders. Stopped liberty and monthly money for one month for John R Cobban. same punishment for two months to Wm Simpson for positive disobedience of orders. Stopped liberty for one month for Barney E. Campbell. (Corporal) for shirking. Gave James McGinley (Sea) three days extra duty for throwing coal. Aneroid at end of watch 30.21.

Meridian to 4 P.M. O'Rea Lieutenant

Clear and pleasant. Light airs from N.N.W by W. Smooth sea. Barometer steady. Aneroid barometer 30.18. Got steam launch ready for hoisting.

4 to 8 P.M. W.M. Simpson Master

Weather partly cloudy and pleasant. Light variable airs. Barometer nearly steady. Mustered at quarters at 5.15. Received on board for use of crew seven barrels of pork. Aneroid barometer at end of watch 30.19.

8 P.M to Midnight O'Rea Lieutenant

Clear cool and pleasant. Light airs from S.E and E.S.E. Stopped distilling at 10.45. Aneroid at end of watch 30.19.

W.D. Parker Lieutenant

Moon's mid. Examined and found to be correct.
Dec 20° 31' 29" S.
Phase. 1st Quarter

W.D. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chile. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.E×S	1		30.20	57	52	49		bo	cum str	8	S	
2	"		"	"	1		30.19	57	52	48		"	"	8	"	
3	"		"	"	1		30.19	57	52	48		"	"	8	"	
4	"		S.S.W.	"	1		30.20	57	52	48		"	"	7	"	
5	"		W.S.W.	"	1		30.20	56	52	48		"	"	7	"	
6	"		"	"	1		30.20	58	52	48		"	"	9	"	
7	"		S.	"	1		30.20	58	52	48		"	"	9	"	
8	"		W×N.	"	1		30.23	58	52	48		"	"	9	"	
9	"		N.W.	N×W	0-1		30.25	60	52	49		"	cir	9	"	
10	"		N.	"	0-1		30.26	60	53	52		"	"	9	"	
11	"		N.N.W.	W.N.W.	1		30.25	60	53	53		"	"	9	"	
Noon.	"		W.S.W	S.W.	1		30.26	60	59	54		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	700	"	
Water remaining on hand fit for use at Noon	2550	"	
Coal consumed during the preceding 24 hours	1 tons	1685	lbs.
Coal remaining on hand at Noon	131 "	1556	"

P. M.																
Anchored		W	W.	01		30.22	60	59	54		bo	cir	8	S	
2	"	W.S.W.	S.W.	1		30.21	62	60	54		"	"	9	.	
3	"	S.W	"	1		30.20	62	60	54		"	"	9	"	
4	"	S.	"	1		30.20	63	62	54		"	"	9	"	
5	"	S.S.E	S.	1		30.20	63	60	54		b		10	"	
6	"	"	"	1		30.20	61	59	53		"		10	"	
7	"	S½E.	"	1		30.20	60	58	53		"		10	"	
8	"	SE×S	"	1		30.20	62	57	53		"		10	"	
9	"	S.SE	"	1		30.20	61	56	52		"		10	"	
10	"	SE×S	SSE	01		30.20	61	55	51		"		10	"	
11	"	"	"	01		30.20	60	54	52		"		10	"	
Mid.	.	S	"	0-1		30.18	60	54	50		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations ✲	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, July 28th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Pleasant, Bright moonlight. Light airs from S^e and E^d. Aneroid 30.18.

4 to 8 A.M. Wainwright Kellogg Lieutenant

Clear and pleasant. Light breize from S^e and E^d. Barometer rising. A French man of war steamed into the harbor at 7.30. Aneroid barometer at close of watch 30.22.

8 A.M. to Meridian. D Rees Lieutenant

Clear and warm. Light breize varying from N by W. to S.W. Barometer falling slightly. Sent an officer to board the French man-of-war "Montcalm" with a tender of the usual courtesies. Went to Fire Quarters at 9.30 and exercised Crew. Commanding Officer left the ship to pay official visits. By order of Commanding Officer P. Devaney. (Ods) was deprived of liberty on shore for one month for using abusive language to Ships Writer. W. W. Smith

Meridian to 4 P.M. Master

Clear and pleasant. Light airs from S.W. to W^d. Received an official visit from the Captain of the Port. Received ships stores. Aneroid 30.16. Wainwright Kellogg

4 to 8 P.M. LOK Lieutenant

Clear and pleasant. Light airs from S^e, Bright moonlight latter part. Hoisted and secured Steam Cutter also secured the boats for sea. Went to quarters at 5.15 and secured battery for sea. the following named men absent without leave, Oscar Kilchner (P.M.) Henry Marshall (O.S.) S. S. Sawrence (OS2c.) and Jas. H. Berry. (OS-2c). Aneroid barometer at the close 30.18. Oscar Kilchner P.M.) H. Marshall (O.S.) and S. S. Sawrence (OS2c) returned from liberty, 13 hours overtime

8 P.M. to Midnight. W. W. Smith Master

Clear and pleasant. Light variable airs and calms. Bright moonlight, Aneroid 30.16. Wainwright Kellogg

LOK Lieutenant

Moon 1 mid Examined and found to be correct.
Dec 18° 35' 57" S
Phase, 1st Quarter.

W. W. Rastus
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate, Guns,

Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
At anchor			S.	S.E.	1		30.15	59	54	51		b		10	S	
2	"		S.E	"	1		30.15	59	54	51		"		10	"	
3	"		"	"	1		30.13	59	53	50		bc	cis	8	"	
4	"		"	"	1		30.11	58	52	49		"	"	7	"	
5	"		E.S.E.	"	1		30.13	58	52	49		"	"	7	"	
6	"		"	"	1		30.13	58	52	48		"	"	7	"	
S 33°01	"		"	"	1		30.15	57	53	48		"	"	8	"	
W 71°41 8	4. 0		N.W.	"	1		30.15	57	52	49	54	"	"	7	"	
9	Firing at Target			E.S.E	1		30.18	57	52	49	54	"	"	6	"	
10				"	2		30.17	56	55	52	54	"	"	6	"	
11	Steaming			"	3		30.17	57	50	52	54	"	"	8	"	
Noon.	in Circle			"	3		30.15	57	55	52	54	"	"	6	"	

Distance run by Log since preceding Noon	4 knots 0	fathoms.
Latitude by D. R. at Noon	32 ° 52 · 00	S'
Longitude by D. R. at Noon	71 ° 46 00	W
Latitude by Observations at Noon ⊙	°	' "
Longitude by Chronometer from Forenoon Observations ⊙	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ⊙ observed at	°	' "
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2200	"
Coal consumed during the preceding 24 hours	4 tons 1740	lbs.
Coal remaining on hand at Noon	126 " 2056	"

P. M.																
1	Steaming in circle			S	3		30.15	57	56	53	54	bc	Cirrum	5	S	
2	6	0	N.W	W.	2		30.15	58	56	54	54	"	"	5	"	
3	7	0	"	S.W.	1		30.18	58	56	54	54	"	Cirro str	5	"	
4	1	0	N.NE.	"	1		30.19	56	56	54	54	"	"	5	"	
5	Not	ure	ageway	Calm	0		30.16	60	55	52	55	"	"	11	S	Foots in Mtgsail + Spanker
6	1	0	N.W.	NE.	1		30.17	66	57	53	55	"	"	3	"	Set spanker
7	1	2	"	"	1		30.18	72	55	52	54	"	"	7	"	
8 32.28 S 72 00 W	1	5	N.W×W.	N.NE	1		30.18	65	55	52	53	"	"	7	"	
9	1	6	W.N.W.	"	1		30.14	65	55	52	55	"	"	8	"	
10	1	6	W½N.	N	1		30.15	60	54	52	55	"	"	8	"	
11	2	0	W×S	N.N.W	1		30.16	60	54	52	55	"	"	8	"	
Mid.	2	2	"	"	1		30.12	60	54	53	55	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, July 29th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Sight airs from S.E. Barometer falling slowly. Cirrus clouds. Fires banked. Aneroid bar. 30.15

4 to 8 A.M. Ward Robey Lieutenant

Cloudy and damp. Light breze from S.E. first part, from N.W. latter part, Barometer rising. Brought to starboard chain at 5h 15m, hove in to 45 fathoms at 5h 20m. Started fires in two more boilers and at 6h 25m called all hands up anchor, Hove up and secured starboard anchor and started out of the harbor at 7h 02m, Rung 4 bells at 7h 07m, Ships draft 14 feet, forid. 15 feet 11 inches aft, At 7h 21m took departure Valparaiso light bearing S.W. distant 1 mile. Ships head S.W. Put over Patent Log showing 13 miles. Jas H. Berry (OS 2 C) returned to the ship at 5h 22m hours overtide. Aneroid barometer 30.15. Steam 48 lbs. Revs 43

8 A.M to Meridian. W.M. Dennison Master

Clear and pleasant, Sight airs from E.S.E. Smooth sea with long moderate swell from E.S.E. At 8.45 went to general quarters. Exercised 1st and 3d divisions at great guns. 3d division fired at target. Expended 120 lbs cannon powder, and 12 IX in shell. At 10. secured. At 10.10 steamed ahead at full speed under 6 boilers and determined tactical diameter at moderate speed. Ship made full circle in 6 min and 28 sec. diameter of circle 1173 feet, with port helm, and 7 min 20 sec. diameter of circle 1263 feet with starboard helm. Aneroid 30.11 Sand in sight to E.

Meridian to 4 P.M. W. Winslow Kellogg Lieutenant

Engaged in determining tactical diameter at full speed until 1. p.m. Sohdw all fires were allowed to die down. Hauled the four after fires and banked the four forward fires. At 3.10 stopped engines and uncoupled screw. Crossed royal yards and made sail to royals bracing up on port tack. Aneroid 30.03. Steam pres 55 lbs. Revolutions 54 per min.

4 to 6 P.M. M.A. Mackenzie Lieutenant

Weather partly cloudy and pleasant. Light variable airs and calms. Took in main try sail and spanker at 4.30. and braced around on starboard tack. Set spanker at 5.30. Mustered at quarters at 4.45. Fires banked under four boilers, Aneroid at end of watch 30.12.

6 to 8 P.M. J. Rees Lieutenant

Clear and pleasant. Bright moonlight and starlight, Sight airs from N.N.E. Barometer steady. Set main try sail at 6m. Aneroid bar. 30.12.

8 P.M to Midnight. W.M. Dennison Master.

Clear and pleasant, Light breze from N.N.W. Smooth sea, Bright moonlight, Banked fires. Aneroid 30.12.

W. Winslow Kellogg Lieutenant

Moon 6 mid

Dec 15° 25' 13" S.

Phase, 1st Quarter

Examined and found to be correct.

W. T. Parker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Valparaiso to Coquimbo, Chile S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	W×S.	N.N.W	1	½	30.09	60	54	52	55	bo	cir	9	S	Plain sail to royals
2	2	5	"	"	1-2	½	30.08	60	54	52	53	"	"	7	"	except main sail
3	4	0	W.N.W ½ W.	N.	3	¼	30.06	60	54	52	55	"	"	3	"	
4	4	6	W.N.W.	N×E.	3	¼	30.04	60	54	52	55	bcz	"	4	"	
5	5	2	"	N.	3	¼	30.02	58	54	52	55	"	"	1	"	
6	4	8	W.N.W. ½ W.	"	3	¼	30.02	58	54	52	55	ocz	cicum	0	"	Took in royals & flying jib
7	5	0	W×N.	N×W.	2	¼	30.02	60	54	52	55	oc	"	0	"	
8	5	8	W ¼ N.	"	4	½	30.02	62	54	53	55	oct	Nimb	0	"	Set lost staysail
9	5	0	W×N.	"	5	1	29.98	62	56	54	55	"	"	0	M	Took in topgallantsails
10	4	0	W.N.W.	N.	6	2	29.95	58	58	54	55	ocq ½	"	0	"	Single reefs in topsails. took
11	3	5	"	"	7	2	29.91	61	56	54	53	"	"	0	"	in jib. Double reefs in
Noon.	3	6	W×N.	"	7	2	29.90	62	56	54	55	"	"	0	"	topsails. Single reefs in foresail

S 32-11 W 72-43

Distance run by Log since preceding Noon	75 knots / 85 knots
Latitude by D. R. at Noon	32° 08' 50" S'
Longitude by D. R. at Noon	73° 01' 30" W
Latitude by Observations at Noon ⊙	° ' "
Longitude by Chronometer from Forenoon Observations ⊙	° ' "
Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	350 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1850 "
Coal consumed during the preceding 24 hours	4 tons 140 lbs.
Coal remaining on hand at Noon	122 " 1916 "

P. M.																
1	3	4	W.	N×W.	7	1½	29.88	62	56	54	55	ocqp	nimbus	0	M	
2	4	4	"	"	7	2	29.86	65	56	55	55	"	"	0	"	
3	4	6	"	"	7	2	29.84	63	56	55	55	"	"	0	R	
4	4	4	"	"	7	2	29.83	63	56	55	55	"	"	0	"	
5	4	0	W.½S.	N.N.W.	7	3	29.77	63	56	55	55	ocqr	"	0	"	
6	3	5	"	"	7	3	29.78	63	56	56	55	"	"	0	"	
7	4	0	"	"	7	3	29.73	63	56	55	55	"	"	0	"	
8	4	0	W.½N.	"	7	3	29.73	63	56	55	55	"	"	0	"	
9	1	0	W×S.	"	7	4	29.73	62	57	57	56	"	"	0	"	Close reefed m. topsail
10	1	0	"	"	6	4	29.75	62	56	55	56	"	"	0	"	& storm staysl. M topsail
11	0	5	N.N.E	W.N.W	3		29.79	62	56	54	56	oc	"	0	L	Set for sail
Mid.	1	2	"	"	3		29.79	62	55	54	56	ocr	"	0	"	

S 32-16 W 73 38

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A. S. McCormick, U. S. Navy,

Sunday, July 30th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Clear and pleasant, bright moonlight, cloudy towards end of watch but clouds very thin. Breez freshening slightly throughout watch and hauling to the E'd of North. Lost sight of land to the S'd at 2.30. Barometer falling slowly. Aneroid at end of watch 30.06.

4 to 8 A.M. M. R. Mackenzie Lieutenant

Overcast with rain latter part of watch. Barometer steady. Wind gradually freshening and hauling to N'd. Took in royals at 5.30, and set fore topmast staysail. Half masted the colors at sunrise out of respect to the memory of the deceased Rear Admiral John Rodgers. U.S.N. Aneroid at end of watch 30.02.

8 A.M. to Meridian. J. Rhea Lieutenant

Overcast cloudy and threatening. Barometer falling. Strong breze from S by W. hauling to W'd and freshening into a moderate gale. Rough sea. At 8.30 took in and furled topgallantsails, jib and spanker. At 8.50 took a reef in the topsails, at 9.40 took a second reef in the topsails and a single reef in the foresail. Got up preventer braces and rolling tackles. Aneroid barometer at the close 29.98.

Meridian to 4 P.M. W. M. Emmons Master

Overcast. Drizzling rain. Blowing a moderate gale from S. S. W. Moderately rough sea. Barometer falling slowly. Aneroid 29.86

4 to 6 P.M. Wainwright Kellogg Lieutenant

Drizzling rain. Moderate gale from S by W. Aneroid 29.83.

6 to 8 P.M. M. R. Mackenzie Lieutenant

Overcast equally and rainy. Wind blowing in fresh squalls from N'd and W'd. Sea growing rough. At 7.30 close reefed main topsail, furled foresail and fore topsail, hauled down fore topmast staysail and spanker and set fore storm staysail and storm mizzen. Aneroid barometer at end of watch 29.80.

8 P.M. to Midnight. J. Rhea Lieutenant

Overcast cloudy and rainy with occasional squalls first part. At 10.10 wind hauled to N'd and nearly died away. Set double reefed foresail took in storm mizzen, and wore ship to the S'd. At 11.00 set double reefed fore topsail, and shook one reef out of the main topsail. Barometer rising. Aneroid at the close 29.85.

W. M. Emmons Master

Moon's mid Dec 11° 10' 15" S
Phase. Full.

Examined and found to be correct.

W. T. Parker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Making a passage from Valparaiso to Coquimbo, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	N×E.	N.N.W.	1		29.78	60	55	54	56	occ	nimbus	0	L	double reefed topsails
2	3	0	N.N.E.	"	2		29.77	60	56	55	56	"	"	0	"	single reefed fore sail &c
3	3	1	N.E.	N.W×N.	2		29.79	60	56	55	56	"	"	0	"	topsail & fore stay sail
4	3	6	NE×E.	N.N.W.	2-3		29.79	60	56	55	56	bcp	"	1	.	Shook out reefs and
5	4	5	"	"	3-5	1	29.84	60	56	55	56	occ	"	0	"	set royals at 1.00 am
6	4	8	N.E×E½E.	"	4	1	29.84	60	56	55	56	"	"	0	"	
7	4	4	E.N.E.	N×E.	4	1	29.85	60	56	55	56	"	cir nimb	0	.	
8	2	0	N×E.	"	4	1	29.87	60	57	56	56	.	"	0	.	
9	4	0	"	N.N.W.	4	1	29.88	60	57	56	56	bc	cir cum	1	.	
10	4	0	"	"	3	1	29.90	63	57	56	56	"	"	4	.	Hauled down flying jib
11	4	6	"	"	3	1	29.92	65	58	56	56	.	"	4	.	
Noon.	4	8	"	"	3	½	29.92	65	58	56	57	"	"	4	.	

S 32..10 W 73°08

Distance run by Log since preceding Noon — 83 knots 6 tenths

Latitude by D. R. at Noon — 32° 11' 38" S

Longitude by D. R. at Noon — 73° 33' 01" W

Latitude by Observations at Noon ⊙ — 32° 13' 22" S

Longitude by Chronometer from Forenoon Observations ⊙ — 73° 21' 33" W

Current during the time — knots — fms. per hour, setting to the —

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — 1 tons 1760 lbs.

Coal remaining on hand at Noon — 121 " 156 "

P. M.																
1	4	4	W×S.	N.N.W	3	1	29.95	65	58	56	56	bc	cir cum	4	L	Reefs to royals.
2	4	8	N.E½N.	"	4	1	29.96	65	58	56	56	"	"	3	"	
3	5	6	"	"	5	1	29.92	61	57	55	56	"	"	1	"	
4	5	4	"	"	5	1	29.92	61	57	55	56	"	"	1	"	
5	3	6	W×S.	"	5		29.90	62	56	55	56	"	"	1	"	
6	3	0	"	"	4		29.92	62	57	56	56	"	"	1	"	
7	2	5	"	"	3		29.92	62	57	56	56	"	"	2	"	
8	3	5	"	"	3		29.93	62	57	55	56	"	"	1	"	
9	3	8	W.	"	3	1	29.96	62	56	54	56	occ	nimb	0	"	
10	3	4	W½N	N×W	3-4	1	29.97	62	57	56	56	bcq	cir nimb	1	.	
11	3	0	W×N.	"	3-4	1	29.97	60	57	55	56	bcfq	.	1	.	
Mid.	3	4	"	"	3-4	1	29.98	60	57	55	56	"	cir	6	"	

S 32..06 W 73°24

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, July 31st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Moderate breeze from N.N.W. Moderate sea. Shook reefs out of topsails and made all plain sail to royals. Bright moonlight. Aneroid steady at 29.88.
4 to 8 A.M.
W. Wainwright Kellogg Lieutenant

Sky overcast, weather damp. Light breeze from N by W. Barometer rising slowly. Aneroid at 8 A.M. 29.92. At 7.20 won ship to the W., Sighted an American barque heading to the S. and W.
8 A.M. to Meridian.
A. H. McCormick Lieutenant

Weather partly cloudy and pleasant. Gentle breeze from N. and W. Long swell from W.N.W. Hauled down and stowed flying jib at 8.15, Cleaned bilges. Barometer rising. Aneroid at end of watch 29.94.
Meridian to 4 P.M.
P. Rees Lieutenant

Cloudy and cool. Threatening rain. Moderate breeze from N.N.W. Barometer falling. At 1m wore ship to the S., At 2m took in and furled royals. At 3m wore ship again. Aneroid 29.95.
4 to 6 P.M.
W. M. Imm Master

Cloudy. Pleasant. Moderate breeze from N.N.W. Long high swell from W.S.W. At 4.45 mustered at quarters. Aneroid 29.95.
6 to 8 P.M.
W. Wainwright Kellogg Lieutenant

Weather pleasant. Barometer rising slowly. Gentle breeze from N.N.W. Clouds cirro-cumulus. Fires banked. Aneroid barometer 29.96. Distilling water.
8 P.M. to Midnight.
Hal Rolfe Lieutenant

Partly cloudy and squally with passing showers. Wind from N by W. Barometer rising. Distilling. Aneroid at end of watch 29.98.
P. Rees Lieutenant

Moon's mid Dec. 6° 11' 00" S. Phase. Full moon

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Esex, 3d Rate, 6 Guns,

Making passage from Valparaiso to Coquimbo. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	4	W½W	W×N.	5	½	29.98	61	57	56	56	bc	Cum.	5	M	Reefs to topgalls, in mainsail.
2	4	4	"	"	5	½	29.98	61	57	56	56	"	"	6	"	
3	4	6	"	"	5	½	29.96	61	57	56	56	"	"	5	"	
4	4	4	"	"	4	½	29.90	61	57	56	56	"	"	3	"	
5	4	4	W.	"	5		29.87	61	57	56	56	"	"	3	"	
6	5	0	"	"	5		29.87	61	58	57	58	"	"	1	"	
7	5	6	"	"	5		29.86	62	58	57	58	"	"	3	"	
32°10 S 8	5	6	"	"	5		29.86	62	58	57	58	"	"	4	"	Took in spanker.
74°33 W 9	5	0	ENE½E.	"	5		29.84	62	58	58	58	oc	Cum nimb	0	"	Took in topgalls
10	6	0	"	"	5		29.86	62	58	58	58	oc+	nimb	0	"	
11	6	0	NE×E½E	"	6		29.89	62	59	58	58	bcg	Cum nimb	3	"	Single reefs in topsails
Noon.	5	0	"	"	6		29.87	63	59	58	58	bcpg	"	1	"	

P. M.																
1	4	4	NE½E	NNW.	6	1½	29.88	61	59	58	58	bcg	cir	3	M.	Took single reefs in topsails
2	2	4	NE.	NW×N	7	2	29.88	61	59	58	58	"	"	4	"	and fore sail hauled
3	2	4	NE½N	"	7	2	29.88	61	59	58	58	bcpg	"	1	"	down jib at 2 reform mizzen
4	2	5	"	"	7	2	29.88	61	59	58	58	"	"	1	"	
5	3	0	NE.	"	6	2	29.89	61	59	58	58	.	cir nimb	1	"	
6	3	0	"	"	6	2	29.90	62	59	58	58	ocgr	"	0	"	
7	2	5	"	"	6	1½	29.93	62	58	56	58	"	"	0	S	
31°55 S 8	2	0	"	"	6	1½	29.94	62	58	56	58	"	"	0	"	
73°41 W 9	2	5	NE½E.	NNW	6-7		29.92	62	58	56	58	ocgr	"	0	A	
10	3	0	"	"	6-7		29.92	62	57	56	58	bcpg	"	1	"	
11	3	0	NE×E½E	"	7-8		29.90	62	57	56	58	bcg	"	1	"	
Mid.	3	0	"	"	7-8		29.91	62	58	56	58	"	"	1	"	

Distance run by Log since preceding Noon 106 knots 8 tenths

Latitude by D. R. at Noon 31 °50 '16" S

Longitude by D. R. at Noon 73 °57 '48 W

Latitude by Observations at Noon ⊙ 31 °57 '57" S

Longitude by Chronometer from Forenoon Observations ⊙ 74 °12 '15" W

Current during the time ___ knots ___ fms. per hour, setting to the ___

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1750 "

Water remaining on hand fit for use at Noon 2900 "

Coal consumed during the preceding 24 hours 2 tons 1820 lbs.

Coal remaining on hand at Noon 118 " 576 "

Longitude by Chronometer from Afternoon Observations ⊙ 74 °07 '15" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, August 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Generally cloudy, clearing occasionally and moon shining brightly. Moderate breeze from S by W. Barometer steady. Distilling. Aneroid barometer at the close, 29.93.

W M Smith
Master

4 to 8 A.M.

Cloudy, pleasant. Moderate breeze freshening at end of watch. Stopped distilling at 4.30. Moderate sea, Aneroid steady 29.92.

8 A.M to Meridian.

Wainwright Kellogg
Lieutenant

Weather unsettled, Barometer low with a tendency to rise. Fresh breeze from S by W. Fires banked under four boilers. Moderate sea, Ship steady. At 8m wore ship. At 9m took in topgallantsails. At 10m took one reef in topsails. At 9h mustered and inspected at quarters. By order of commanding Officer the following named men were punished, Wm Simpson, 1st Cl. 3 days solitary confinement on bread and water for disobedience of orders. A. C. Marsh, OS 2d 7 days extra duty for going forward without permission when messenger boy. J. P. O'Neil, OS 2d and F. K. Bashforth OS 2d. 5 days extra duty for shirking. Wm F. Dains. OS 2d 7 days extra duty for going forward without permission when messenger. Robt E. Henry OS 2d. H. H. Warmer (Sdo) and Walter Disney (Sds) 5 days extra duty each, for missing muster of watch.

Meridian to 4 P.M.

Hart Hubbard
Lieutenant

Weather overcast and wet, Passing showers of drizzling rain latter part. Stiff breeze in squalls from N.E and W.N. Long swell. Took in the second reef in topsails, single reef in foresail, hauled down jib and set storm trysail. at 1m, Barometer steady. Aneroid at end of watch 29.89.

+ 6 to 8 P.M.

C P Lee
Lieutenant

Overcast, raining, Blowing a moderate gale from N W by W. Smooth sea, Aneroid 29.95

Wainwright Kellogg
Lieutenant

+ 4 to 6 P.M.

Overcast rainy and threatening. Strong breeze with frequent squalls from N. W by N. Dispensed with quarters on account of the weather Aneroid barometer 29.92.

W M Smith
Master

8 P.M to Midnight.

Weather bad. Blowing from a fresh breeze to a strong gale from N. N. W. Barometer steady. Sea rough, ship riding it easily. Fires banked. Aneroid barometer 29.97.

Hart Hubbard
Lieutenant

Moon's Decl Dec 0° 56' 35" S.
Phase Full.

Examined and found to be correct.

W F Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Making passage from Valparaiso to Coquimbo, Chile S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	4	N.E.	N.W.×N.	7	3	29.91	60	57	55	59	cq	nimbus	6	R.	double reef'd topsails
2	1	8	"	"	7	3	29.92	60	57	56	59	"	"	0	"	single reef'd foresail
3	2	2	"	"	7	3	29.93	60	57	55	59	"	"	0	"	Royal rigging and
4	2	0	"	"	7	3	29.93	60	57	55	59	"	"	0	"	fore & mizzen staysl
5	2	2	"	"	7	2	29.95	60	57	55	59	"	"	0	"	
6	2	0	N.E.×E.	"	6	2	30.00	59	57	54	59	cq	"	0	"	
7	2	0	"	"	7	2	30.00	60	56	54	59	bcq	cumb	2	"	
S 32°05' 8	2	4	"	"	6	2	30.03	60	56	54	59	"	cicum	4	"	
W 72°45' 9	2	0	"	"	6	4	30.04	60	56	54	58	"	cumb	2	"	
10	2	0	"	"	6	4	30.06	60	56	54	58	"	"	2	M	
11	1	2	N.E.½N.	"	6	4	30.08	62	56	54	58	"	"	2	"	
Noon.	1	6	N.E.	"	6	4	30.09	62	56	54	58	"	"	2	"	

Distance run by Log since preceding Noon — 57 knots 5 tenths

Latitude by ~~D.R.~~ O.S. at Noon — 32 ° 07 ' 13 " S

~~Longitude~~ Lat. by D. R. at Noon — 31 ° 55 ' 15 " S

~~Latitude~~ Long. by ~~Observations~~ D.R. at Noon ⊙ — 73 ° 00 ' 00 " W

Longitude by Chronometer from Forenoon Observations ⊙ — 72 ° 38 ' 45 " W

Current during the time ____ knots ____ fms. per hour, setting to the ____

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2550 "

Coal consumed during the preceding 24 hours — 1 tons 1760 lbs.

Coal remaining on hand at Noon — 116 " 1056 "

P. M.															
1	2	0	N.E.	N.W.×N.	6		30.11	62	56	54	58	bcq	cirumb	1	M	Same
2	2	0	"	"	5		30.09	62	56	54	58	cq	"	0	"	
3	2	0	N.E.½E.	"	5		30.12	62	56	54	58	"	cumb	0	"	
4	1	5/5	N.N.W.½W.	"	4		30.12	62	55	54	58	"	"	0	"	
5	0	3	"	North	3	4	30.13	62	55	54	58	bc	cir str.	4	"	
6	1	0	N.N.W.	"	3	4	30.15	71	55	54	58	"	"	4	"	
S 32°04 7	1	2	"	"	3	4	30.15	66	55	54	58	"	"	2	2	
W 72°36 8	1	0	N.N.W.½N.	"	3	4	30.15	64	56	54	58	"	"	1	"	Shook one reef out of
9	0	6	N.	"	2	1	30.12	62	56	54	58	"	"	1	"	topsails and foresail
10	No Starage way.			Calm	0		30.12	60	56	54	58	"	"	1	"	Set fore topmast stays'l
11	"		"	"	0		30.13	60	56	54	58	"	"	2	"	Took in main topsail
Mid.	"		"	"	0		30.13	60	56	54	56	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, August 2d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast squally and rainy. Wind blowing a fresh gale at beginning of watch, afterwards moderating with rising barometer. Hauled down fore topmast staysail and set fore storm staysail at 1 30, the tack lashing of the former sail having carried away. The weather fore brace parted, at 3.00. Splicid and served it. Aneroid at end of watch 30.03

4 to 8 A.M. J. P. Rue Lieutenant

Overcast and cloudy first part, partly clearing latter part. Strong breeze with frequent squalls from N.W. by N. Barometer rising. Weather more promising at the close. Aneroid barometer 30.04.

8 A.M. to Meridian. W. M. Smith Master

Variable weather. Clear at times but great part of watch cloudy, with occasional light showers. Moderate sea. Aneroid 30.10.

Meridian to 4 P.M. Winnington W. Kellogg Lieutenant

Weather pleasant though cloudy. Barometer steady at 30.12. Clouds cirrus and nimbus. Moderate to fresh breeze from N.W. by N. Moderate sea. Fires banked. Aneroid barometer 30.12.

4 to 6 P.M. Hart Baker, Lieutenant

Partly cloudy and pleasant. Light breeze from N. and W. Sea growing smooth. Barometer rising. Mustered at quarters at 4.45. Aneroid at end of watch 30.14.

6 to 8 P.M. J. P. Rue Lieutenant

Cloudy and damp. Light breeze from N. Barometer steady. Cirro-stratus clouds. Aneroid barometer at the close 30.14

8 P.M. to Midnight W. M. Smith Master

Cloudy. Light variable airs. No steerageway last three hours of watch. Smooth sea. Aneroid 30.16.

Wainwright-Kellogg Lieutenant

Moon's mid Dec 11° 20' 21" N
Phase. Full.

Examined and found to be correct.

W. T. Sampson
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Valparaiso to Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Ss		steraqeway	Calm	0		30.12	60	57	56	56	bcf	cir	6	L	Topsails. forsail flow
2			"	"	0		30.10	60	57	56	56	"	"	6	"	stay sl. & storm staysail
3			"	"	0		30.09	60	57	56	56	"	"	6	"	
4			"	"	0		30.10	60	57	55	56	ocwf	—	0	"	
5			"	"	0		30.12	60	55	54	56	ocf	cir	0	"	Furled all sail.
6	4	0	N.	"	0		30.12	60	55	54	56	"	"	0	"	
7	4	0	"	S.S.W.	1		30.13	60	55	54	56	"	"	0	"	
8	4	0	"	W.S.W.	1		30.14	60	55	54	56	"	"	0	"	
9	4	6	"	Calm	0		30.14	61	55	54	56	bcf	"	2	"	
10	5	6	"	"	0		30.18	62	56	54	56	"	"	7	"	
11	6	0	"	"	0		30.18	63	57	55	56	"	"	9	"	
Noon.	6	0	"	N.N.E.	0-1		30.18	63	57	55	56	"	"	9	"	

Distance run by Log since preceding Noon 45 knots 5 fathoms

Latitude by D. R. at Noon 31 ° 32 ' 49 S

Longitude by D. R. at Noon 72 ° 25 ' 00 W

Latitude by Observations at Noon ⊙ 31 ° 39 ' 19" S

Longitude by Chronometer from Forenoon Observations ⊙ 72 ° 21 ' 00 W

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 am 15 ° 38 ' "E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2200 "

Coal consumed during the preceding 24 hours 4 tons 1540 lbs.

Coal remaining on hand at Noon 111 " 1756 "

P. M.															
1	6	0	N.	N.N.E.	0-1	30.15	63	59	57	56	bcf	cir	9	S.	
2	4	8	"	"	0-1	30.12	63	59	57	56	ocf		0	"	
3	5	2	"	"	0-1	30.12	63	59	57	56	"		0	"	
4	6	0	"	"	0-1	30.12	63	59	57	56	bcf	cir	6	"	
5	5	5	"	S.E.	0-1	30.13	63	56	55	56	"	"	7	"	
6	6	0	"	"	1	30.14	62	55	52	56	"	"	8	"	
7	6	0	"	"	1	30.15	62	56	52	58	bc	"	8	"	
8	6	0	"	"	1	30.15	62	55	54	55	"	"	9	"	
9	6	2	N.½W.	"	2	30.16	62	54	53	55	bf		7	"	
10	6	8	"	"	1	30.14	62	56	53	55	"		9	"	
11	7	2	"	"	1	30.10	62	56	55	53	bc	cir clr	7	"	
Mid.	7	2	"	"	1	30.10	62	57	55	55	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ 72 ° 32 ' 15"

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday August 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather damp and foggy. Calm. Fires banked under four boilers. Barometer falling slowly. Aneroid barometer 30.09.

4 to 8 A.M. Lieutenant

Overcast and foggy. Calm Barometer rising. Smooth sea. Spread fires under four boilers at 4.15. Took in and furled all sail, and steamed ahead slowly at 5.00, Aneroid barometer at end of watch 30.11. Steam pressure 47 lbs. Revolutions. 28. Course. North. At 8 put over patent-log showing 52/4.

8 A.M to Meridian. Lieutenant

Overcast and foggy first part, clear and pleasant latter part. Calm until last hour then light airs from W.N.E. Barometer steady. Sighted land all along the starboard side when the fog lifted. At 10.30 hauled in the patent log registering 65/4 miles. Put over a target and exercised the 1st and Navigators divisions at target practice with small arms. At 11.52 put over the patent log, at 1200 it registered 65 3/4 miles. Aneroid barometer at the close 30.12.

Meridian to 4 P.M. Master

Foggy greater part of watch. Foggy around the horizon at end of watch clear overhead. Long swell from S.W. 2d 3d and Powder divisions and Marines fired at target with small arms. Aneroid 30.10. Steaming under 4 boilers.

4 to 6 P.M. Lieutenant

Weather pleasant but foggy. Barometer rising. Light airs from S.E. Ship rolling easily to a swell from N.E and W. Steam prissure 54 lbs and 44 Revolutions. At 4.45 mustered crew at quarters. Aneroid barometer 30.12.

6 to 8 P.M. Lieutenant,

Weather clear, and pleasant. hazy about the horizon. Barometer steady. Steaming. Pressure 55. Revolutions 45. Aneroid 30.10.

8 P.M to Midnight. Lieutenant

Cloudy and foggy first two hours. Clear remainder of watch. Moon rose at 10.45. Barometer falling. Aneroid barometer 30.08.

Master

Examined and found to be correct.

Moons dec. Local Midnight 9° 17' 48" N
Phase. Full moon.

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Valparaiso to Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	4	N½W.	S.E	2		30.05	60	57	55	55	bc	cir	8	S.	
2	7	4	"	"	2		30.04	60	57	55	55	"	"	7	"	
3	7	0	"	"	3		30.04	60	56	55	55	"	"	7	"	
4	3 3	6 6	NE×E¾E.	"	4		30.06	61	56	55	55	bcq	"	4	"	
5	6	5	"	"	2		30.04	61	53	55	55	ocf	"	0	"	
6	Stopped		No Steraguera	"	2		30.05	61	54	53	55	"	"	0	"	
7	6	0	NE×E¾E	"	2		30.07	61	52	52	55	"	"	0	"	
8	6	5	"	"	2		30.09	61	52	51	55	"	"	0	"	
9	3 2	0 0	E.NE½E.	N.NE	1		30.11	62	58	51	55	"	"	0	"	
10	2	5	E×S	"	1		30.12	62	53	51	55	"	"	0	"	
11	Anchored		N.W.	Variable	0-1		30.14	60	53	52		"		0	"	
Noon.	"		"	"	0-1		30.14	60	54	53		"		0	"	

S 30°00 71°56 W

S 29°56 71°20 W

Distance run by Log since preceding Noon 128 knots 4 tenths

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours 9 tons 920 lbs.

Coal remaining on hand at Noon 102 " 816 "

P. M.														
Anchor		N.N.W.	NW.	1	30.10	60	55	52	ocf	nimbus	0	S.		
2	"	"	"	1	30.09	60	54	52	"	"	0	"		
3	"	N.N.W	"	1	30.08	59	55	53	"	"	0	"		
4	"	"	"	1	30.08	59	55	53	"	"	0	"		
5	"	N.	"	1	30.08	59	55	53	"	"	0	"		
6	"	"	"	1	30.10	59	55	53	"	"	0	"		
7	"	"	"	1	30.14	59	55	53	"	"	0	"		
8	"	"	"	0-1	30.13	59	55	53	"	"	0	"		
9	"	N.E×E.	E.N.E.	0-1	30.11	62	55	53	"	"	0	"		
10	"	"	"	0-1	30.09	62	55	53	"	"	0	"		
11	"	"	"	0-1	30.08	60	54	52	"	"	0	"		
Mid.	"	"	"	0-1	30.08	60	51	52	"	"	0	"		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. August 4th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant until 3.30 when it became slightly misty. Heavy dew. Bright moonlight, light breeze from S.W. At 3.30 changed course to W.S.W by S 3/4 S. Patent log read 56 1/2 miles. Patent log at end of watch 60 miles. Aneroid steady, 30.04. Steaming two donkey boilers 4 to 8 A.M.

W. Winnington-Ingram Lieutenant

Weather damp and foggy, manifesting a disposition to clear up latter part of watch. Barometer rising. Under steam pressure 54 lbs, and 43 revolutions. Light breeze from S.E. Sea moderate, Aneroid 30.09 8 A.M to Meridian.

Ward Nicholas Lieutenant

Weather overcast and foggy. Light variable airs and calms. Barometer rising. At 8.25 stopped steaming. Sighted rocks bearing S.E by E at 9.28, started ahead slowly shaping course for anchorage in Coquimbo harbor came to at 11.00 in 7 fathoms water and veered to 30 fathoms on starboard chain. The Health Officer visited the ship at 11.30. The Commanding Officer of the English Flagship visited the ship at 11.35. Sent an Officer to visit the American Consul Aneroid barometer at end of watch 30.09. Bearings from anchorage, Pelican Point S.W 1/2 W. Chimney S.W. Ship's Head. West. Meridian to 4 P.M.

Lieutenant

Cloudy and misty. Light airs from S.W. Barometer falling slowly U.S. Consul visited the ship. Ship's draft 13 ft 6 in forward. 15 ft 9 in. aft. Aneroid barometer 30.07. 4 to 8 P.M.

W.W. Swinn Master

Weather overcast and during latter part of watch foggy. Light airs from N., Got out steam cutter. Barometer rising. Aneroid at end of watch 30.09. Mustered at quarters at 5.00. Distilling. 8 P.M to Midnight.

Lieutenant

Cloudy and foggy. Light airs from E.N.E. Barometer falling Went to general quarters at 8.53. All divisions ready in 5.01. Secured at 9.00, all divisions secured in 8.30 minutes.

W.W. Swinn Master.

Examined and found to be correct.

Moons dec. At noon 13° 35' 04" N
Phase. Full

W. T. Parker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
Anchored			S.E×E.	E.N.E.	1		30.08	59	54	52		ocf	nimbus	0	S	
2	"		S.W×W.	N.W.	1		30.09	59	54	52		"	"	0	"	
3	"		W.N.W.	"	1		30.09	59	55	53		"	"	0	"	
4	"		N.N.E.	N.E.	1		30.09	59	53	53		"	"	0	"	
5	"		N.E.	"	1		30.09	59	55	53		"	"	0	"	
6	"		"	N.	1		30.09	59	55	53		"	"	0	"	
7	"		"	"	2		30.10	58	55	53		"	"	0	"	
8	"		"	"	2		30.14	58	55	53		"	"	0	"	
9	"		"	"	2-5		30.14	58	53	53		ocqfd	"	0	"	
10	"		W.S.W.	W×S.	2-5		30.17	62	55	53		"	"	0	"	
11	"		W×S.	"	2		30.18	62	55	53		"	"	0	"	
Noon.	"		"	"	2		30.20	62	55	53		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330		gallons.
Water distilled during the preceding 24 hours	1430		"
Water remaining on hand fit for use at Noon	3000		"
Coal consumed during the preceding 24 hours	2 tons	120	lbs.
Coal remaining on hand at Noon	100 "	696	"

P. M.															
Anchored		N.W.	W×S.	0-1	30.20	60	56	54	ocfd	nimbus	0	S	
2	"	"	"	0-1	30.20	60	56	54	rcud	"	0	"	
3	"	"	N.W.	1	30.20	60	56	54	"	"	0	"	
4	"	"	"	1	30.22	60	56	54	"	"	0	"	
5	"	S.E×E.	S.E.	1	30.20	60	58	54	ocd	"	0	"	
6	"	N.E×E.	N.E.	1	30.20	60	59	56	"	"	0	"	
7	"	"	"	1	30.22	60	59	56	"	"	0	"	
8	"	S.E×E.	"	1	30.24	60	59	56	"	"	0	"	
9	"	N.E×E.	E.N.E.	3-7	30.12	58	62	57	ocqr	"	0	"	
10	"	"	"	3-7	30.14	58	63	58	"	"	0	"	
11	"	"	"	2	30.18	59	62	57	oo	"	0	"	
Mid.	"	S.W.	"	2	30.19	59	62	57	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by . at	°	′	″

under the command of Commander A.H. McCormick, U. S. Navy,

Saturday. August 5th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Light fog. Light variable airs. Distilling
Aneroid 30.05.
4 to 8 A.M. Wainwright Kellogg Lieutenant

Sky overcast. Light airs from N. and E. Distilling.
8 A.M to Meridian. [illegible] Lieutenant

Overcast cloudy and foggy with light drizzling rain occasionally. Light breeze from N by E. decompacted with brief but fresh squalls. Shortened and furled sail at 9m. Hauled fires at 10m and cleaned bilges. Sent to quarters for inspection at 9m 30s. A British steamer came in from the S. saluted with the colors and we returned the salute. Veered fifteen fathoms on the starboard chain. Aneroid barometer, at the close 30.23.
Meridian to 4 P.M. W.M. Smith Master

Overcast and foggy with light breeze from the N. and N. Commanding Officer left the ship at 1 P.M. to make official visits on shore. Sent the mail ashore. Sent a liberty party ashore at 3 P.M. Aneroid at end of watch 30.20
4 to 8 P.M. Wainwright Kellogg Lieutenant

Overcast cloudy and rainy. Light breeze from S.E. shifting to N.E. Barometer steady. Scraped and slushed spars. A British steamer left for the N. Aneroid barometer at close 30.18.
8 P.M to Midnight. W.M. Smith Master

Cloudy. Raining greater part of watch. From 8m 30s to 12m 30s had a very fresh squall from S.S.E. afterwards wind became light again. Light airs at end of watch. Aneroid 30.20.
Wainwright Kellogg Lieutenant

Examined and found to be correct.

Moons dec. at mid. 17° 02' 43" N
" Phase. Last quarter

W.T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate. 6 Guns,

Coquimbo, Chile, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.W.	E. & E.	2		30.28	60	58	55		bc	Ci Cumb nimb	6	8	
2	"		"	"	2		30.28	60	58	55		"	"	5	"	
3	"		"	"	2		30.28	60	58	55		"	"	9	"	
4	"		"	"	2		30.30	60	58	55		"	"	5	"	
5	"		S.	S.E.	2		30.30	60	59	56		"	"	6	"	
6	"		"	"	2		30.30	60	59	56		"	"	5	"	
7	"		S.E.×S.	S.W.	2		30.32	60	59	56		"	"	5	"	
8	"		"	"	2		30.32	60	59	56		"	"	7	"	
9	"		"	"	2		30.34	60	59	56		"	Ci Cum	7	"	
10	"		S.S.W.	"	1		30.36	62	61	58		"	"	8	"	
11	"		"	"	1		30.38	62	61	58		"	"	8	"	
Noon.	"		"	"	1		30.38	62	61	58		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 3244 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2676 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 100 " 396 "

P. M.																
Anchored			S.W.	S.W.	3		30.38	63	61	58		bc	ci	9	8	
2	"		"	"	3		30.34	64	61	58		"	"	9	"	
3	"		"	"	4		30.32	65	64	58		"	"	9	"	
4	"		"	"	4		30.32	65	64	58		"	"	9	"	
5	"		"	"	3		30.32	62	63	58		"	"	9	"	
6	"		S.	S.	2		30.30	65	63	57		"	"	9	"	
7	"		"	"	2		30.30	65	63	57		"	"	9	"	
8	"		E.	"	2		30.30	65	61	56		"	Cir Cum	8	"	
9	"		N.E.×E.	"	2		30.30	64	61	56		by		10	"	
10	"		"	"	2		30.30	63	61	56		"		10	"	
11	"		"	"	2		30.30	63	61	56		"		10	"	
Mid.	"		"	"	2		30.30	63	61	56		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by. at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, August 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer steady. Clouds cirro cumulus and nimbus. Light breze from E.N.E. Aneroid bar. 30.25

4 to 8 A.M. Karl Rohrer, Lieutenant

Cloudy and pleasant. Light breze from N.E. first part shifting to S.W. latter part. A British steamer came from the S^d and anchored. Loosed sail to dry at 8^00. Aneroid barometer 30.30. W. M. Timmins

8 A.M to Meridian. Master

Clear and pleasant. Light airs from S.W. Called all hands to muster and read articles for the better government of the navy and General and squadron orders. Aneroid 30.32.

Meridian to 4 P.M. Wainwright Kellogg Lieutenant

Weather clear and pleasant. Barometer falling. Cirrus clouds. Gentle to moderate breze from S.W. At 2^00 furled topgallant sails and flying jib, and unbent, and sent below the storm mizzen and fore storm staysail. At 3^00 furled sail. Aneroid barometer 30.26. The steam cutter coming back from her 3 o'clock trip bursted her coil, the steam pressure at the time being 65 lbs.

4 to 8 P.M. Karl Rohrer, Lieutenant

Clear and pleasant. Light airs from S^d Aneroid 30.30

8 P.M. to Midnight. Wainwright Kellogg Lieutenant

Weather clear and pleasant. Barometer steady. Light breze from S. Hazy about the horizon. Bright starlight. Aneroid barometer 30.25.

Karl Rohrer, Lieutenant

Examined and found to be correct.

Moons d.c. at mid. 19° 29' 22" N

Phase Last quarter

W. W. Kellogg
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo, Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.E.	N.E.	2		30.30	62	56	53		bc	circum	9	8	
2	"		N.N.W.	N.W.	2		30.24	62	57	55		"	"	9	"	
3	"		"	"	2		30.24	62	56	53		"	"	9	"	
4	"		"	"	2		30.24	60	56	53		"	"	9	"	
5	"		"	"	2		30.22	60	55	53		"	"	9	"	
6	"		N.E.	"	1		30.20	60	55	53		bcf	"	9	"	
7	"		"	"	0-1		30.20	59	54	52		"	Cum	9	"	
8	"		"	"	0-1		30.20	59	54	52		"	"	9	"	
9	"		N.N.W.	Calm	0		30.22	61	54	56		bcz		10	"	
10	"		"	"	0		30.24	61	61	57		"	"	10	"	
11	"		"	N.	1		30.25	61	61	57		bcz	cir	9	"	
Noon.	"		"	Calm	0		30.21	63	63	59		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2361 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 100 " 96 "

P. M.															
Anchored		N.N.E.	Calm	0	30.19	63	63	58		bcz	cir	9	8	
2	"	W	W	1	30.18	63	63	59		"	"	9	"	
3	"	"	Calm	0	30.16	63	63	59		"	"	9	"	
4	"	N.N.E.	"	0	30.16	63	63	59		"	"	9	"	
5	"	"	"	0	30.16	63	63	59		"	"	9	"	
6	"	"	"	0	30.16	63	63	59		"	"	9	"	
7	"	"	E.	0-1	30.16	63	58	55		"	"	9	"	
8	"	E. × S.	E.S.E.	1	30.16	63	58	55		"	"	9	"	
9	"	N.E. × E.	S.E.	1	30.20	63	57	54		"	"	9	"	
10	"	N.E.	"	1	30.20	63	57	54		"	"	9	"	
11	"	"	"	1	30.20	63	57	54		"	"	9	"	
Mid.	"	"	"	1	30.18	63	56	53		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, August 7th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Clear and pleasant, Light airs from N^d and E^d to W^d and N^w, Barometer falling, Aneroid at end of watch 30.20.

4 to 8 A.M. C. H. Rees Lieutenant

Foggy after 5 until 7^30, when weather cleared. Aneroid 30.20

8 AM to Meridian Wainwright Lieutenant

Weather clear and pleasant, Barometer rising. Cirrus clouds. Light airs from the W^d in latter part of watch. At 9^30 exercised at general quarters. The following men were absent without leave and a reward of ten dollars ($10^00) each was offered for their apprehension and delivery on board: E. S. Carr. (OS.2C) Herbert Hayes. (OS.) John Kenny. (Lds.) Jas. McGinley. (Sea) John P. O'Neil (OS2C) Matthew Reilly. (Lds.) Frank A. Smith, (OS.) Pat^k McKeon. (1C Fire.) & J. McMullin. (2C Fire.) The following men returned to the ship: E. S. Carr. (OS2C) John Kenny (Lds) Matthew Reilly. (Lds) and Pat^k McKeon. (1C Fire). Engaged in refitting standing rigging and repairing steam cutter. Aneroid barometer 30.18.

Meridian to 4 P.M. Wood Walker, Lieutenant

Weather clear and pleasant. Light variable airs and calms. Barometer falling. John P. O'Neil. (OS2C) and Frank A. Smith. (OS.) returned on board by the authorities ashore. By order of Commanding Officer placed Patrick McKeon. (1C Fire) in double irons to await investigation for using disrespectful and abusive language to superior officers. Got out sailing launch. Hoisted in steam cutter and took out boiler for repairs. Aneroid at end of watch 30.06. Crew at work squaring rattlines, painting & cleaning ship

4 to 8 P. M. C. H. Rees Lieutenant

Weather clear and pleasant, Calm in first part of watch. light airs from S to S.S.E in latter part, Barometer steady. Cirrus clouds. At 5.15 mustered crew at quarters and found the following men absent from the ship without leave, Herbert Hayes. (OS.) James McGinley (Sea) and John McMullin. (2C Fire). The following men returned to the ship in charge of policeman. Jas. McGinley (Sea) John McMullin (2C Fire) and a reward of ten dollars ($10^00) was paid for each. Placed Jas. McGinley (Sea) in double irons for safe keeping, by order of Commanding Officer. Aneroid barometer 30.08.

8 P.M. to Midnight. Wood Walker Lieutenant

Weather clear and pleasant. Light airs from S.E. Barometer steady. Aneroid at end of watch 30.08.

C. H. Rees Lieutenant

Examined and found to be correct.

Moons dec. at Mid. 20° 48' 47" N

" Phase. Last quarter

W. J. T. Brooks
Lieutenant & Navigator.

LOG of the UNITED STATES "Steamer Essex", 3d Rate, 6 Guns,

Coquimbo Chile S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.E.	S.E.	1		30.15	60	53	53		bcg	Ci cum	9	S	
2	"		"	"	1		30.14	59	53	52		"	"	9	"	
3	"		"	"	0-1		30.13	58	54	52		"	"	9	"	
4	"		"	"	0-1		30.12	58	54	52		bg	—	10	"	
5	"		"	"	0-1		30.12	58	52	50		bcg	Ci	8	"	
6	"		E.N.E.	"	0-1		30.12	58	52	50		"	Ci str	7	"	
7	"		"	"	0-1		30.12	58	03	51		"	"	7	"	
8	"		"	"	0-1		30.13	59	54	52		"	Ci	8	"	
9	"		N.N.E	N.E.	1		30.13	59	54	52		"	"	9	"	
10	"		N.N.W.	N.	1		30.15	59	59	56		"	"	9	"	
11	"		"	"	1		30.16	59	61	57		"	"	9	"	
Noon.	"		"	"	1		30.16	60	63	57		"	-	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 315 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2016 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 99 " 1936 "

P. M.																
Anchored			N.N.W.	Calm	0		30.16	60	63	57		b		10	S	
2	"		"	N	0-1		30.15	60	63	58		"		10	"	
3	"		N.×.E.	"	0-1		30.12	60	62	58		"		10	"	
4	"		N.N.W.	"	0-1		30.12	60	62	58		"		10	"	
5	"		"	N.N.E	1		30.10	59	61	57		bg		10	"	
6	"		N.E.	"	1		30.08	59	60	56		"		10	"	
7	"		N.N.E.	"	1		30.13	63	58	55		"		10	"	
8	"		"	N.E	1		30.13	63	59	56		"		10	"	
9	"		"	"	1		30.12	62	58	53		bcg	Ci cumo	9	"	
10	"		"	"	1		30.11	61	57	53		"	"	9	"	
11	"		"	"	1		30.10	60	56	52		"	"	9	"	
Mid.	"		"	"	1		30.10	60	56	53		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, August 8th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Bright moonlight and starlight. Light airs from S.E. Aneroid barometer at close 30.12.

W.M. Symmes
Master

4 to 8 A.M.

Clear and pleasant weather. Hazy about the horizon. Barometer steady. Cirrus and cirro-stratus clouds. Light airs from S.E. Sent down topgallant yards. At 8. loosed sail. Aneroid barometer 30.08.

Nagle Asher
1st Lieutenant

8 A.M. to Meridian

Clear and pleasant. Light airs from N. Barometer rising. Mustered at quarters at 9m and exercised 1st division at great guns, 2d and 3d at single sticks. Marine guard at small arms and powder division at passing powder. Crew engaged in general work about decks. Aneroid barometer at end of watch 30.08. By order of Commanding Officer, Chas. A. Lindner, O.S.26. was given six days extra duty for going below without permission while messenger, and released James McGinley, Sea, and Pat'k McKeon 1 Cl. from confinement.

C. D. Rue
Lieutenant

Meridian to 4 P.M.

Warm and pleasant. Light airs from N. Barometer falling. At 1 furled sail, unbent topsails, fonsail and foretopmast staysail. Made up and sent sails below. Put new coil in steam launch. Crew at work painting and scraping bright wood work. The Governor of the Province paid an official visit to the ship and was received with customary honors. Aneroid at end of watch 30.02.

W.M. Symmes
Master

4 to 8 P.M.

Clear and pleasant. Light breeze from N. and E. Barometer falling. By order of Commanding Officer placed Guiseppi Sesanna, C. Cook in double irons for two days for using profane and abusive language to shipmate. Aneroid at end of watch 30.01.

C. D. Rue
Lieutenant

8 P.M. to Midnight

Clear and pleasant. Light airs from NE. Bright starlight. Barometer steady. Aneroid barometer 30.02.

W.M. Symmes
Master

Examined and found to be correct.

Moons dec. at Mid. 21° 01' 40" N
Phase. Last quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,
Coquimbo, Chili S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			*NNW.*	*NE*	*0-1*		*30.08*	*60*	*55*	*53*		*bf*		*10*	*S.*	
2	"		"	"	*0-1*		*30.06*	*60*	*54*	*52*		*bef*	*cir.*	*9*	"	
3	"		"	"	*0-1*		*30.04*	*59*	*54*	*52*		"	"	*9*	"	
4	"		"	"	*0-1*		*30.01*	*58*	*54*	*52*		"	"	*9*	"	
5	"		*NNE.*	*Calm*	*0*		*30.05*	*58*	*54*	*51*		*of*		*0*	"	
6	"		*NNW.*	*NE.*	*1*		*30.05*	*58*	*54*	*52*		"		*0*	"	
7	"		"	*NW.*	*1*		*30.05*	*58*	*54*	*52*		"		*0*	"	
8	"		"	"	*1*		*30.05*	*56*	*54*	*52*		"		*0*	"	
9	"		"	"	*1*		*30.07*	*60*	*55*	*53*		*bc*	*Cum*	*4*	"	
10	"		*NW.*	"	*2*		*30.10*	*60*	*56*	*53*		"	"	*4*	"	
11	"		"	"	*3*		*30.11*	*59*	*56*	*53*		"	"	*5*	"	
Noon.	"		"	"	*3*		*30.12*	*59*	*56*	*54*		"	"	*5*	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	*375* gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	*1641* "		
Coal consumed during the preceding 24 hours	tons *300* lbs.		
Coal remaining on hand at Noon	*99* " *1736* "		

P. M.															
Anchored		*NW.*	*NW.*	*3*	*30.08*	*59*	*57*	*55*		*bc*	*Cum*	*5*	*S.*	
2	"	"	"	*2*	*30.07*	*60*	*57*	*55*		"	*cir.*	*7*	"	
3	"	"	"	*2*	*30.07*	*60*	*58*	*56*		"	"	*8*	"	
4	"	"	"	*2*	*30.07*	*60*	*58*	*56*		"	"	*9*	"	
5	"	*SW × W.*	*SW × W.*	*2*	*30.06*	*58*	*57*	*54*		"	"	*9*	"	
6	"	*SSW.*	*SSW.*	*2*	*30.08*	*60*	*57*	*54*		"	"	*9*	"	
7	"	"	"	*1*	*30.10*	*61*	*57*	*54*		"	"	*9*	"	
8	"	"	"	*1*	*30.09*	*62*	*57*	*54*		"	"	*9*	"	
9	"	*SE.*	*Calm*	*0*	*30.09*	*61*	*56*	*53*		*bcq*	"	*9*	"	
10	"	"	*N.*	*1*	*30.09*	*61*	*56*	*53*		*bc*	*nimb*	*5*	"	
11	"	*N.*	"	*1*	*30.09*	*61*	*56*	*53*		*oc*	"	*0*	"	
Mid.	"	"	"	*1*	*30.08*	*61*	*56*	*53*		"	"	*0*	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday August 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from N^d and E^d and calms. Moon arose at 3^30, Aneroid 30.04.
4 to 8 A.M. W Cunningham-Kellogg Lieutenant

Damp foggy weather. Light airs from N^d and W^d. Aneroid barometer 30.02.
8 A.M to Meridian. W. H. Parker Lieutenant

Cloudy and foggy first part, clearing latter part. Light breze from S.W. fresh[ening] and steddily. Barometer rising. Crew employed in tarring down, scraping pin rails and scrubbing paintwork under top-gallant forecastle. Aneroid barometer at the close 30.08.
Meridian to 4 P.M. W.W. Irwin Master

Warm and pleasant with light breze from W^d. Barometer steady. Men at work scraping paintwork under top gallant forecastle, pin rails &c. Aneroid at end of watch 30.06. A reward of nine dollars and seventy four cents ($9^74) was paid for Michael Sullivan, (1^C Fire.)
4 to 8 P.M. W Cunningham-Kellogg Lieutenant

Pleasant weather. Light breze from S.S.W. Barometer rising. Sent to quarters at 5^15, Herbert Hayes O.S. absent without leave. Aneroid barometer at the close 30.08.
8 P.M to Midnight. W.W. Irwin Master

Cloudy, pleasant. Light airs from N^d and calms. Aneroid 30.03.
W Cunningham-Kellogg Lieutenant

Moon Data
Dec 20° 08' 11" N
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo, Chile S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.E.	E.N.E.	1		30.07	59	56	53		ocz	Cirrus	0	S.	
2	"		"	N.N.E.	1		30.07	59	55	52		"	"	0	"	
3	"		"	NE.	1		30.07	59	55	52		"	"	0	"	
4	"		NE.	"	1		30.05	58	56	54		"	"	0	"	
5	"		"	"	1		30.05	59	54	52		"	"	0	"	
6	"		"	"	1		30.07	59	54	52		"	"	0	"	
7	"		"	"	0-1		30.10	59	54	52		"	"	0	"	
8	"		"	"	0-1		30.10	59	54	52		"	"	0	"	
9	"		"	"	0-1		30.10	59	54	52		"	"	0	"	
10	"		"	"	0-1		30.16	59	54	52		"	"	0	"	
11	"		"	E.	0-1		30.16	59	54	52		"	"	0	"	
Noon.	"		N.N.E.	"	0-1		30.16	59	54	52		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	341 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	1300 "		
Coal consumed during the preceding 24 hours	tons 3	00 lbs.	
Coal remaining on hand at Noon	99 "	1436 "	

P. M.																
Anchored			N.N.W.	NW.	1		30.10	60	55	52		ocz	Cirrus	0	S	
2	"		"	"	0-1		30.10	60	55	52		"	"	0	"	
3	"		"	"	0-1		30.09	60	56	53		"	"	0	"	
4	"		S.W.	W.	1		30.08	60	56	53		"	"	0	"	
5	"		NW.	N.W.	1		30.06	59	55	53		"	"	0	"	
6	"		W.N.W.	"	1		30.07	60	56	53		"	"	0	"	
7	"		N.N.W.	"	1		30.10	60	56	53		"	"	0	"	
8	"		NW.	"	1		30.11	60	56	52		"	"	0	"	
9	"		W.N.W.	"	1		30.15	60	56	52		"	"	0	"	
10	"		"	"	1		30.15	60	56	52		"	"	0	"	
11	"		"	"	1		30.15	58	56	52		"	"	0	"	
Mid.	"		"	"	1		30.15	58	56	53		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, August 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast but not unpleasant. Barometer steady. Light breeze from E.N.E to N.N.E. Aneroid barometer 30.06.

4 to 8 A.M. Ward Rother Lieutenant

Overcast and cloudy threatening rain. Light breeze from N.E. Existed out steam cutter. Rigged sailing launch. Rec'd on board in Pay Department 105 lbs of fresh beef and 63 lbs of bread. Aneroid barometer 30.08.

8 A.M. to Meridian W.W. Irwin Master

Cloudy, damp. Light variable airs and calms. At 9^30 mustered at quarters. Exercised 1st and 2d divisions at great guns, 3d at small arms. Powder and Masters at single sticks. Chilian steamer came in from the N., Aneroid 30.10. Herbert Hayes O. S. absent from ship without leave.

Meridian to 4 P.M. Warminghurst Kellogg Lieut

Weather cloudy but not unpleasant. Barometer steady. Light airs from N.W. Cirrus and nimbus clouds. Rove off the old braces and struck the awnings below. Employed in getting the ship ready for painting. Sent a liberty party on shore. Received on board a length of the steam pipe which had been repaired ashore. Aneroid barometer 30.06. By order of Commanding Officer released. Giuseppi Sespana. (6 boats.) from confinement. Chilian steamer came in and anchored.

4 to 8 P.M. Ward Rother, Lieutenant

Cloudy, pleasant. Light airs from N.W. At 5^15 mustered at quarters. Herbert Hayes. O. S. absent without leave. Aneroid 30.08.

8 P.M. to Midnight. Warminghurst Kellogg Lieut

Weather cloudy and hazy about the horizon. Light breeze from N.W. Barometer steady. Cirrus and nimbus clouds. The Chilian steamer which came in during the afternoon went out. A steamer came in and anchored about a half point on our starboard bow. Aneroid barometer 30.10

Ward Rother, Lieutenant

Moon's mid Examined and found to be correct.
Dec 18° 17' 35" N
Phase. Last quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		N.W.	N.N.W.	1		30.15	58	64	52		bcz	nimb.	0	S.	
2	"		"	"	1		30.15	58	64	52		"	"	0	"	
3	"		"	N.E.	0-1		30.15	68	54	52		"	"	0	"	
4	"		"	"	0-1		30.15	68	55	53		"	"	0	"	
5	"		N.	"	1		30.13	58	55	53		"	"	0	"	
6	"		N.N.E.	"	1		30.14	58	55	52		"	"	0	"	
7	"		"	"	1		30.15	58	55	52		"	"	0	"	
8	"		E.S.E.	S.E.	1		30.15	58	55	52		"	"	0	"	
9	"		"	"	0-1		30.15	58	55	52		"	cir cum nimb	0	"	
10	"		N.E.	"	0-1		30.17	62	56	54		bcz	cir cum	4	"	
11	"		"	N.W.	0-1		30.19	67	57	54		"	"	8	"	
Noon.	"		N.	N.N.W	2		30.20	65	59	55		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	950	"	
Coal consumed during the preceding 24 hours	1 tons	1160	lbs.
Coal remaining on hand at Noon	98 "	276	"

P. M.																
Anchored		S.S.W.	S.S.W.	2		30.16	68	59	54		bcz	cir cum	8	S.	
2	"	"	"	2		30.16	68	59	54		"	"	8	"	
3	"	"	"	2		30.16	68	59	54		"	"	8	"	
4	"	"	"	2		30.16	68	59	54		"	"	5	"	
5	"	"	"	2		30.16	74	57	53		"	"	3	"	
6	"	"	S.	2		30.15	74	57	53		bc	cir cum n. cum	2	"	
7	"	N.N.W.	"	01		30.15	74	59	54		"	"	1	"	
8	"	"	"	0-1		30.15	68	59	55		bcz	"	2	"	
9	"	"	"	0-1		30.14	65	58	55		"	"	2	"	
10	"	"	E.N.E.	1		30.12	65	58	54		"	"	2	"	
11	"	"	"	2		30.10	65	58	54		"	cir cum n. nimb	2	"	
Mid.	"	"	"	1		30.09	65	58	54		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. August 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather overcast and cool. Light airs from N^d and W^d. to N^d and E^t. Barometer steady. Started fires under two forward port boilers. Aneroid at end of watch 30.13.

4 to 8 A.M. Lieutenant

Cloudy, hazy pleasant, Commenced painting ships. Aneroid 30.10.

8 A.M. to Meridian. Lieutenant

Weather pleasant. Barometer rising. Clouds cirro cumulus and nimbus Breeze light in force and varying in direction from S.E. to S.W. Abg^d 30 mustered and inspected crew at quarters and exercised 1^st and 2^d divisions at great guns. 3^d and Masters divisions at single sticks. Powder divisions at single sticks. Sent on shore an offer of ($10^oo) ten dollars reward for the apprehension and delivery on board of Oscar Walker, (P.M.) who is absent from the ship without leave, Aneroid barometer 30.13.

Meridian to 4 P.M. Lieutenant

Clear and cool, Light breeze from N^d and W^d, Barometer steady. Crew at work painting ships. A reward of ten dollars was paid for Oscar Walker. (P.M.) brought on board by police authorities. A British Steamer from the N^d came in and anchored at 3.00. Distilling fresh water, Aneroid barometer 30.12. By order of Commanding Officer placed Peter Devaney, Sds. in double irons for four days for insolence to superior officer.

4 to 8 P.M. Lieutenant

Weather clear and pleasant. Barometer steady. Clouds cirro-cumulus and cumulus. Light breeze from S. to S.S.W. Distilling water Aneroid barometer 30.12

8 P.M. to Midnight. Lieutenant

Weather cloudy and cool. Light airs from N^d and E^t, Barometer falling. Aneroid 30.014

Lieutenant

Moon's mid Dec 15° 38' 40" N. Phase. Last Qr.

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Coquimbo. Chile. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.W.	ENE.	2		30.09	65	58	51		bcz	cir cum pinato	3	S.	
2	"		N × E	N.	2		30.06	65	58	52		ocz	"	0	"	
3	"		"	"	2		30.02	65	58	54		"	"	0	"	
4	"		"	"	2		30.01	65	58	54		"	"	0	"	
5	"		"	"	0-1		30.01	66	58	53		"	"	0	"	
6	"		N.N.	N.N.W.	0-1		30.01	66	59	56		bcz	"	1	"	
7	"		"	"	"		30.01	66	58	53		"	"	1	"	
8	"		"	NE.	1		30.02	66	58	53		"	"	1	"	
9	"		NE × E	"	1		30.05	65	59	57		"	"	2	"	
10	"		N.N.W.	N.	1		30.10	68	60	57		"	"	4	"	
11	"		N.N.W.	N.W.	1		30.10	66	63	59		"	"	6	"	
Noon.	"		N.N.E.	"	1		30.10	65	62	58		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	2400	"	
Water remaining on hand fit for use at Noon	3000	"	
Coal consumed during the preceding 24 hours	2 tons	1320	lbs.
Coal remaining on hand at Noon	95 "	1196	"

P. M.																
Anchored			N.N.W.	N.W.	0-1		30.07	65	62	56		bcz	cir cum	7	S	
2	"		"	"	0-1		30.07	65	62	56		"	"	7	"	
3	"		"	S.W.	0-1		30.09	68	62	57		"	"	6	"	
4	"		"	N.E.	1		30.10	66	62	57		"	"	6	"	
5	"		"	W.	1		30.10	61	60	57		"	"	4	"	
6	"		"	N.N.W.	0-1		30.10	64	60	56		"	"	3	"	
7	"		"	Calm	0		30.10	65	60	56		"	"	5	"	
8	"		"	"	0		30.10	67	59	55		"	"	6	"	
9	"		NNE	N	0-1		30.10	66	59	56		"	"	4	"	
10	"		"	"	0-1		30.10	64	58	55		"	"	2	"	
11	"		"	"	0-1		30.10	63	58	56		"	"	2	"	
Mid.	"		"	"	0-1		30.10	63	57	56		ocz	numb	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, August 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy threatening rain. Barometer falling. Light breeze from E.N.E. shifting to W.S.W. Distilling. Aneroid barometer 30.00.
4 to 8 A.M. W.M. Symington Master

Weather pleasant. Light breeze from W.S.W. to N.E. Barometer steady. Clouds cirro-cumulus and nimbus. Distilling fresh water. Aneroid barometer 30.00. An English steamer got underway and left the harbor.
8 A.M. to Meridian. Wm. Rodgers, Lieutenant

Clear and pleasant. Light variable airs. Barometer steady. Mustered at quarters at 9h. Herbert Hayes (O.S.) absent without leave. Exercised 1st division at howitzer drill, 2d division and marine guard at small arms and instructed signal class. Distilling fresh water. Aneroid barometer at end of watch 30.02. The following punishments were given by order of Commanding Officer. Monthly money and liberty stopped from Wm. Morris, (O.S.) for one month for attempting to smuggle liquor. Half monthly money stopped for one month from S.P. Smallfield (C.B.) and Wm. Mullin, (C.B.) for late hammocks.
Meridian to 4 P.M. W.D. Rodgers Lieutenant

Cloudy and cool. Light variable airs. Barometer rising. Stopped distilling and hauled fires. Sent liberty party ashore.
4 to 8 P.M. W.M. Symington Master

Partly cloudy and pleasant. Light variable airs and calms. Barometer steady. Mustered at quarters at 5h. Aneroid 30.05.
8 P.M. to Midnight. W.D. Rodgers Lieutenant

Cloudy and damp. Very light airs from W. Barometer steady. Aneroid barometer 30.05.
W.M. Symington Master

Examined and found to be correct.

W. V. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Coquimbo, Chile, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.E.	Calm	0		30.12	63	58	56		ocz	numb	0	S	
2	"		"	"	0		30.12	63	58	56		"	"	0	"	
3	"		"	"	0		30.12	63	57	53		"	"	0	"	
4	"		N.N.	N.N.W.	0-1		30.12	63	57	53		"	"	0	"	
5	"		"	"	0-1		30.12	63	57	53		"	"	0	"	
6	"		"	"	0-1		30.14	62	57	52		"	"	0	"	
7	"		"	"	0-1		30.17	62	56	53		"	"	0	"	
8	"		"	"	0-1		30.16	62	56	55		"	"	0	"	
9	"		N.E.	"	0-1		30.20	62	57	53		bcz	cirrus	1	"	
10	"		"	Calm	0		30.25	62	59	56		"	"	1	"	
11	"		N.N.	N.N.W.	1		30.25	63	59	56		"	"	3	"	
Noon.	"		"	"	0-1		30.25	63	60	56		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2650	"	
Coal consumed during the preceding 24 hours	tons 1300	- lbs.	
Coal remaining on hand at Noon	94 " 2136	"	

P. M.															
1	"		N.W.	N.N.W.	0-1		30.25	63	60	56		bcz	Cir Cum	3	"	
2	"		"	N.N.W.	0-1		30.24	63	60	56		"	"	3	"	
3	"		"	"	0-1		30.22	63	60	56		"	"	4	"	
4	"		S.W.	S.W.	0-1		30.22	63	61	56		"	"	2	"	
5	"		W.	N.W.	1		30.21	64	61	58		"	"	3	"	
6	"		"	"	0-1		30.20	64	60	57		"	"	3	"	
7	"		"	"	0-1		30.20	64	60	57		"	"	1	"	
8	"		E.N.E.	N.E.	0-1		30.19	63	59	56		"	"	1	"	
9	"		"	"	0-1		30.19	63	57	55		"	"	2	"	
10	"		"	"	0-1		30.19	62	56	54		"	"	3	"	
11	"		"	S.S.E.	1		30.19	61	56	52		"	"	3	"	
Mid.	"		S.S.E	"	0-1		30.18	60	55	53		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, August 13th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Hazy. Pleasant, Calms and light airs from N^e and W^t, Aneroid 30.08.

Wainwright-Kellogg Lieutenant

4 to 8 A.M. Overcast and hazy. Light airs from N.N.W. Barometer rising. Aneroid at end of watch 30.15.

[illegible] Lieutenant

8 A.M. to Meridian. Hazy and warm, Calms and very light airs from N.N.W. Barometer rising. Went to quarters at 9^30. Commanding Officer inspected ship and crew. Herbert Hayes. O.S. and Robert Woolley, Seaman absent without leave, offered a reward of $10^00 for the apprehension and delivery on board of the latter. Aneroid barometer 30.18.

W. W. Swan
Master

Meridian to 4 P.M. Hazy and warm with light breeze from N^e and N^e and S^e and W^t, Barometer falling. At 2^25 Pacific Mail Steamer "Pizarro" came in from Valparaiso ~~same~~, saluted ship and anchored, returning salute, Aneroid barometer 30.16.

Wainwright-Kellogg Lieutenant

4 to 8 P.M. Pleasant weather. Hazy. Light airs from N.N.W. Aneroid barometer 30.15

W. W. Swan
Master

8 P.M. to Midnight. Hazy Pleasant. Heavy dew. Light breize from W.S.W. hauling to S^e and S.E^t. Aneroid 30.14

Wainwright-Kellogg Lieutenant

Moon's mid
Dec 8° 35' N
Phase New moon

Examined and found to be correct.

P. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Coquimbo, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			ENE.	Calm	0		30.15	60	56	54		bcz	cirs	9	S.	
2	"		"	"	0		30.14	59	56	56		"	"	9	"	
3	"		N.	"	0		30.14	59	55	53		"	"	9	"	
4	"		"	"	0		30.14	59	53	51		"	"	8	"	
5	"		"	S.E.	0-1		30.15	59	54	52		"	cir cum	6	"	
6	"		"	"	0-1		30.16	59	54	52		"	"	5	"	
7	"		"	"	0-1		30.16	59	53	51		"	"	5	"	
8	"		"	"	0-1		30.16	59	53	51		"	"	4	"	
9	"		"	"	1		30.20	60	58	56		"	"	5	"	
10	"		NNW	NE.	1		30.20	60	59	56		"	"	8	"	
11	"		WNW	N.	1		30.20	60	62	58		"	"	8	"	
Noon.	"		W.S.W.	S.W.	2		30.20	60	59	56		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 375 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2275 "

Coal consumed during the preceding 24 hours — tons 500 lbs.

Coal remaining on hand at Noon — 94 " 1636 "

P. M.																
1	"		W.S.W.	W.N.W.	2		30.18	63	50	56		bcz	cir cum & cum	6	S	
2	"		"	"	2		30.15	62	62	57		"	"	3	"	
3	"		"	ENE.	1		30.15	62	62	57		"	"	3	"	
4	"		"	"	1		30.14	62	62	57		"	"	3	"	
5	"		NNE	"	1		30.14	62	59	56		"	"	3	"	
6	"		"	"	1		30.14	62	58	55		"	cir cum & str	3	"	
7	"		"	"	0-1		30.14	62	58	55		"	cir cum	5	"	
8	"		"	"	1		30.14	62	57	55		"	"	7	"	
9	"		NNW.	NW.	1		30.15	62	57	55		"	"	5	"	
10	"		NNE.	NE.	1		30.14	62	57	55		ocz	cir cum & cumb	0	"	
11	"		ENE.	"	2		30.10	62	57	55		"	"	0	"	
Mid.	"		NE×E	"	1		30.10	62	57	55		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, August 14th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Calm, Dew, Steady barometer, Hazy about the horizon, Aneroid barometer 30.12.

Ward Nicholson Lieutenant

4 to 8 A.M. Clear and pleasant, Misty greater part, Light airs from S.E. Barometer steady, Aneroid barometer at 8 the close 30.13.

W. McCann Master

8 A.M. to Meridian, Hazy Warm, Pleasant, Light variable airs, At 9m mustered at quarters: the following named men were found absent without leave. Herbert Hayes (OS) Robert Woolley (Sea.) Thos Trainor (C.G.M.) Jno. Curran (Ord Asst) Alexr McLean (C.M.r) S. P. Smallfield (CB.) Thos Fitzpatrick (Pvt M): A reward of $10.00, each, was offered for the arrest and delivery on board of the five last named men, By order of Commanding Officer John Clunie (OS2) and Wm Simpson (CB) were given ten days extra duty for shirking anchor watch. Received mail from U.S. Painting ship, Aneroid 30.14.

W Cunningham Jr Lieutenant

Meridian to 4 P.M. Weather clear and pleasant, Barometer falling, Clouds cirro-cumulus and cumulus. Breze light in force and varying in direction from W.S.W to E.N.E. Painting ship inside, Hoisted in sailing launch, A Chilian mail steamer went to sea dipping her colors as she passed which courtesy we returned. Hazy about the horizon. Aneroid barometer 30.09. Robert Woolley, Sea was brought on board by the police

Ward Nicholson, Lieutenant

4 to 8 P.M. Hazy, Pleasant, Light airs from E.N.E. At 5m mustered at quarters. At 5m Thos Trainor (C.G.M.) Alexr McLean (C.M.r) and S.P. Smallfield (CB) returned on board. Alexr McLean, (C.M.r) was placed in double irons for safe keeping. Aneroid 30.09.

W Cunningham Jr Lieutenant

8 P.M. to Midnight, Weather overcast and cloudy but not unpleasant, Hazy dew, Light breze from N.W. to N.E. J. A. Smith (OS) left boat while on duty in jet and ran away as soon as it touched the wharf. Aneroid barometer 30.08.

Ward Nicholson Lieutenant

Moon l. mid. Examined and found to be correct.

Dec. 4° 31' 27" N

Phase New moon

W. N. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Coquimbo, Chili, S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.	NE.	0-1		30.08	60	57	55		ocf	Cir Cum Numb	0	1	
2	"		"	Calm	0		30.06	60	57	55		"	"	0	"	
3	"		"	"	0		30.04	60	55	53		ocf	"	0	"	
4	"		"	"	0		30.02	60	55	53		"	"	0	"	
5	"		W.	WE.	0-1		30.00	60	55	53		"	"	0	"	
6	"		"	"	0-1		30.00	60	54	52		ocdf	"	0	"	
7	"		"	"	0-1		30.00	60	53	52		"	"	0	"	
8	"		"	"	0-1		30.00	60	53	52		"	"	0	"	
9	"		WNW.	"	1		30.00	59	54	52		ocf	Cum Numb	0	"	
10	"		"	"	1		30.00	59	54	53		"	"	0	"	
11	"		NNW.	NW.	1		30.06	59	55	53		"	"	0	"	
Noon.	"		NW.	WNW.	2		30.08	59	55	53		"	"	0	"	

P. M.																
1	"		NNW.	NW.	2		30.08	60	55	53		ocm	Cum + Numb	0	8	
2	"		NNW	"	2		30.08	59	55	54		"	"	0	"	
3	"		"	"	2		30.10	59	55	54		"	"	0	"	
4	"		NW.	NNW.	2		30.10	59	55	54		"	"	0	"	
5	"		"	"	2		30.12	59	55	54		ocdf	"	0	"	
6	"		"	"	1		30.14	59	55	54		"	"	0	"	
7	"		NNE.	"	1		30.15	60	56	55		ocm	"	0	"	
8	"		"	"	1		30.16	60	57	56		"	"	0	"	
9	"		"	N.	1		30.16	60	57	56		"	"	0	"	
10	"		ESE.	"	0-1		30.17	60	58	56		"	"	0	"	
11	"		"	Calm	0		30.17	60	58	56		"	"	0	"	
Mid.	"		"	"	0		30.17	60	58	56		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1945 "

Coal consumed during the preceding 24 hours tons 7 lbs. 660

Coal remaining on hand at Noon 94 " 936 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, August 15th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and hazy. Calm, Barometer falling. Aneroid at end of watch 30.00.

[signature] Lieutenant

4 to 8 A.M. Dense fog. Light airs from NE. Breaking out hold. Aneroid 30.00.

[signature] Lieutenant

8 AM to Meridian. Weather overcast cloudy and foggy. Barometer rising. Light breeze from NE to NW. Engaged in breaking out and cleaning hold. Aneroid barometer 30.02. By order of Commanding Officer released Peter Devany (Lds) and Alexd. McLean, (OS Mr.) from confinement, and confined in double irons for safe keeping J. J. Chamberlain, (OS6) and Fred.k E. Dealing (OS6) both being drunk and having become disorderly on board ship.

[signature], Lieutenant

Meridian to 4 P.M. Overcast and misty. Light airs from N.d and W.t, Barometer rising. Aestowed hold, Aneroid at end of watch 30.04.

[signature] Lieutenant

4 to 8 PM. Weather overcast, cloudy and wet, Light breeze from S.W.t. Barometer rising. Clouds cumulus and nimbus. Hazy around the horizon. Aneroid barometer 30.12. Paid $10.00 reward for the apprehension of each of the following men, viz: Robert Woolley (Sea.) Thos. Fitzpatrick, (Pt M.) Alexd. McLean, (OS Mr.) Thos. Trainor, (OS M) and S. P. Smallfield, (OS) and also paid $15.00, to replace articles lost from boat, the same to be divided between Thos. Trainor, (OS M.) Alexd. McLean, (OS Mr.) and S. P. Smallfield, (OS).

[signature], Lieutenant

8 PM to Midnight. Weather overcast and misty. Light airs from W.t, Barometer rising. Aneroid at end of watch 30.12

[signature] Lieutenant

Moon's mid Examined and found to be correct.
Dec 6° 18' 59" N
Phase, New moon.

[signature]
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.E.	Calm	0		30.17	60	57	53		bc	ci cumu	5	8	
2	"		"	"	0		30.17	60	56	54		"	"	8	"	
3	"		"	"	0		30.16	60	55	53		"	"	8	"	
4	"		"	"	0		30.13	60	54	52		"	"	6	"	
5	"		"	S.W.	1		30.13	60	58	53		bcz	"	4	"	
6	"		S.E.	"	1		30.13	59	55	53		"	"	6	"	
7	"		"	"	1		30.14	59	55	53		"	"	6	"	
8	"		"	S.E.	1		30.15	59	55	52		"	"	7	"	
9	"		S.S.W.	S.W.	2		30.20	59	56	51		bc	"	8	"	
10	"		S.W.	S.S.W.	2		30.22	60	57	52		"	"	9	"	
11	"		S.S.W.	S.W. by W.	2		30.20	60	58	52		"	"	9	"	
Noon.	"		S.W. by W.	W.	2		30.17	60	59	52		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 540 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1405 "

Coal consumed during the preceding 24 hours tons 800 lbs.

Coal remaining on hand at Noon 94 " 136 "

P. M.															
Anchored		W.S.W.	S.W. by W.	2		30.15	62	60	53		bc	ci cumu	9	8	
2	"	S.W. by W.	"	2		30.15	62	60	53		"	"	9	"	
3	"	"	"	2		30.15	62	60	53		"	"	9	"	
4	"	"	"	2		30.15	62	60	53		"	"	6	"	
5	"	S.S.W.	S.S.W.	2		30.16	62	59	53		"	"	7	"	
6	"	"	"	2		30.17	62	59	53		"	"	7	"	
7	"	"	"	2		30.18	62	59	53		"	"	7	"	
8	"	"	"	2		30.18	62	57	53		"	"	5	"	
9	"	E.S.E.	"	2		30.22	62	57	54		"	"	11	"	
10	"	N.N.W.	N.W.	2		30.22	62	57	51		ocz	"	0	"	
11	"	N.E. by E.	E.	2		30.26	62	57	51		"	"	0	"	
Mid.	"	"	"	2		30.24	62	57	51		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. A. McCormick, U. S. Navy,

Wednesday, August 16th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy, Calms, and very light airs from E.S.E. Barometer steady. Aneroid No. 12.

W.M. Smith
Master

4 to 8 A.M. Weather clear and pleasant, though hazy about the horizon. Light airs from S.W. to S.E. Barometer steady. Cirro-Cumulus clouds. Aneroid bar. 30.11

Ned Robbins, Lieutenant

8 A.M. to Meridian. Light breeze from S. and W., Mustered at quarters at 9h and exercised all divisions gally in ordinance manual. The Commanding Officer ordered the following punishments. Pat. McKeon, (Ord'r) five days solitary confinement on bread and water for being drunk and disorderly and insolence to officer of deck. Frank A Smith, (O) three months liberty and monthly money stopped for leaving boat and J. J. Chamberlain and F. E. Dealing (OS26) monthly money stopped for three months for getting drunk on duty. Aneroid at end of watch 30.11

P.K. Lieutenant

Meridian to 4 P.M. Pleasant weather. Light breeze from S. W. by W. Set topsails and foresail. Furled fore and aft sail. Crew employed painting under top-gallant forecastle. Aneroid barometer at the close 30.11

W.M. Smith Master

4 to 8 P.M. Weather clear and cool. Light airs from S.S.W. Barometer rising. Mustered at quarters at 5.15. Aneroid at end of watch 30.16.

P.K. Lieutenant

8 P.M. to Midnight. Cloudy and cool. Light breeze from N.W. shifting to E. Barometer steady. Aneroid barometer at close of watch 30.18.

W.M. Smith Master

Moon's mid. Examined and found to be correct.
Dec. 3° 33' 28" S
Phase. New moon.

W.H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Auckland			N.E.	NNE.	0-1		30.23	60	56	53		ocz	Circumnt	0	S	
2	"		"	Calm	0		30.23	60	56	53		"	"	0	"	
3	"		"	NNW.	1		30.23	60	56	53		bcz	Circum	2	"	
4	"		S.W.	S.S.W.	2		30.26	60	56	53		"	"	2	"	
5	"		"	"	1		30.25	59	55	52		"	"	2	"	
6	"		"	E.S.E.	2		30.25	59	55	52		"	"	11	"	
7	"		"	"	1		30.25	59	55	52		"	"	6	"	
8	"		E.S.E.	"	1		30.25	59	58	53		"	"	8	"	
9	"		"	"	1		30.26	59	58	55		"	"	8	"	
10	"		S.S.W.	S.W.	2		30.26	59	58	55		"	"	8	"	
11	"		S.S.W.	"	2		30.30	59	58	52		"	"	9	"	
Noon.	"		S.S.W.	W.	2		30.30	60	59	53		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 345 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1030 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 93 " 2036 "

P. M.															
1	"		W.S.W.	W.S.W.	2		30.25	62	60	55		bcz	Cirrum	9	S	
2	"		"	"	2		30.24	64	61	55		"	"	9	"	
3	"		"	"	2		30.22	64	61	55		"	"	9	"	
4	"		"	"	2		30.22	60	60	54		"	"	9	"	
5	"		S.S.W.	S.S.W.	2		30.22	62	60	54		"	"	9	"	
6	"		"	"	2		30.24	62	60	54		"	"	9	"	
7	"		N.N.E.	N	2		30.26	62	60	54		"	"	9	"	
8	"		ENE.	NE	2		30.28	64	56	54		"	"	9	"	
9	"		E	"	0-1		30.28	64	56	54		"	Cirs	9	"	
10	"		"	Calm	0		30.28	64	56	54		"	"	9	"	
11	"		"	ESE.	1		30.25	62	56	54		"	"	9	"	
Mid.	"		E.S.E	"	1		30.25	62	56	54		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. N. McCormick, U. S. Navy,

Thursday, August 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Hazy. Light variable airs and calms, Aneroid 30. 20.

Wainwright-Kellogg Lieutenant

4 to 8 A.M. Weather clear and pleasant, light airs from S.E. and E. Barometer steady. Scrubbed hammocks. Aneroid 30. 24

[illegible] Lieutenant

8 A.M to Meridian, Clear and warm, light breeze from S.W. hauling to W., Barometer rising. Went to quarters at 9.30 and inspected the crew. Exercised the 1st and 2d divisions at great guns. 3d and Powder divisions at single sticks and the Marine guard at small arms. Continued painting ship inside. By order of the Commanding Officer (monthly muster) is stopped and Liberty on shore restricted of Jas. Cameron, F.A. and Alex'r McLean, C.M.A. for attempting to smuggle liquor on board, Aneroid barometer at the close 30. 26

W. McGinnis Master

Meridian to 4 P.M. Clear and pleasant with light breeze from S.E. and E., Barometer falling. An English mail steamer arrived at 12.10 and another left at 12.40, Piped down hammocks and turned them in at quarters at 2.00 Aneroid at end of watch 30. 16.

Wainwright-Kellogg Lieutenant

4 to 8 P.M. Pleasant weather, Calms and light airs from E.S.E. Barometer falling. Aneroid barometer 30. 20 W. McGinnis

Master

8 P.M to Midnight, Hazy around the land, Clear overhead, light variable airs and calms. Aneroid 30. 20.

Wainwright-Kellogg Lieutenant

Moon C. mid. Examined and found to be correct.

Dec. 7° 57' 37" S.

Phase New moon.

W. H. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Coquimbo, Chili S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E & W	S.E.	0-1		30.25	60	55	52		bz		10	S	
2	"		"	E.	0-1		30.25	60	55	52		"		10	"	
3	"		"	N	0-1		30.25	60	54	52		bcz	cirrus	8	"	
4	"		"	"	0-1		30.25	60	54	52		"	"	8	"	
5	"		N.N.W	NNW.	2		30.28	60	54	51		"	"	8	"	
6	"		"	"	2		30.30	60	54	51		"	"	8	"	
7	"		"	"	2		30.32	58	53	52		"	"	8	"	
8	"		"	"	2		30.36	58	55	52		"	"	8	"	
9	"		N.N.E	ENE.	1		30.37	60	55	52		pcm	Cir Cum Nimb	0	"	
10	"		NW.	Calm	0		30.37	60	56	53		"	"	0	"	
11	"		"	W.	0-1		30.37	60	56	53		"	"	0	"	
Noon.	"		"	"	0-1		30.33	60	57	54		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 680 "

Coal consumed during the preceding 24 hours tons 900 lbs.

Coal remaining on hand at Noon 93 " 1176 "

P. M.																
1	"		E.	N.	0-1		30.29	61	59	54		bcz	Cirrus	2	S	
2	"		"		0-1		30.27	61	60	55		bc.	"	8	"	
3	"		N.E.W.	W.S.W.	0-1		30.26	62	59	56		"	"	9	"	
4	"		"	"	1		30.26	62	58	53		"	"	9	"	
5	"		"	W.	1		30.26	62	58	53		"	"	9	"	
6	"		S.W.	S.W.	1		30.25	62	57	53		"	Str	9	"	
7	"		"	"	1		30.25	62	57	53		"	"	9	"	
8	"		"	"	1		30.24	61	57	53		"	Cir	9	"	
9	"		S.E	S.E	1		30.26	62	56	53		bz		10	"	
10	"		"	"	1		30.26	62	56	53		"		10	"	
11	"		"	"	0-1		30.22	62	56	53		"		10	"	
Mid.	"		"	"	0-1		30.22	62	56	53		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, August 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light airs from S.E. to N. Barometer steady. Bright starlight. Aneroid barometer 30.22. Heavy dew. Hazy about the horizon.

Wm Robinson Lieutenant

4 to 8 A.M. Generally cloudy with light mist about the horizon. Light breeze from N.N.W. Barometer rising. Received on board in Paymasters Department 83 loaves of bread and 101 lbs of fresh meat.

W. M. Dennis Master

8 A.M. to Meridian. Cloudy, warm, pleasant. Light variable airs and calms. Arg^30 mustered at quarters. Exercised 1st, 3d and Powder divisions at small arms and 2d at great guns. By order of Commanding Officer Wm Simpson (C) was given one days extra duty for late hammocks and John P. O'Neil (OS) John Kenny (Ds) Wm Spellman (O.) S. P. Smallfield (C) Wm E. Pickett (C) Robt C. Mortt. (OS) Wm Farmer (Ds) and Gustav Nagle (OS) were each given one days extra duty for not rolling back hammock clothes properly. Aneroid 30.20

Wainwright Kellogg Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Clouds cirro-cumulus. Light airs from N. to W.S.W. At 12 noon H.B.M.S. "Nutins" came in and anchored. Sent an officer with the usual offer of services. The Captain paid an official visit to the "Mutins." Engaged in painting ship inside

Wm Robinson Lieutenant

4 to 8 P.M. Clear and pleasant. Light variable airs. At 5.15 mustered at quarters. Aneroid 30.20.

Wainwright Kellogg Lieutenant

8 P.M. to Midnight. Weather clear and pleasant. Barometer falling. Light airs from S.E. Hazy about the horizon. By order of Commanding Officer confined in double irons for attempting to lower dinghy without authority Thos Trainor (C) P.M. Dan'l Wm Rennon (Sea) and Wm Spellman (Os) and released Wm Spellman (Os) by order of Commanding Officer

Wm Robinson Lieutenant

Moon's mid Dec 11° 44.2 S
Phase Newmoon

Examined and found to be correct.

W. L. Parker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Coquimbo Chile S.A

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.	Calm	0		30.20	60	53	52		b		10	S	
2	"		N.N.E.	"	0		30.20	60	53	52		"		10	"	
3	"		N.E.	"	0		30.20	60	54	51		"		10	"	
4	"		N.N.W.	"	0		30.16	60	53	51		"		10	"	
5	"		"	"	0		30.17	60	53	51		b	Cir cumu	9	"	
6	"		"	E.S.E.	1		30.18	60	53	51		"	Cir cumu Cirrato	8	"	
7	"		N.E.	"	1		30.18	60	54	52		"	Cir cumu	5	"	
8	"		"	"	1		30.18	60	53	53		"	"	5	"	
9	"		"	"	0-1		30.16	60	56	53		"	"	9	"	
10	"		"	Calm	0		30.14	60	59	56		bz		10	"	
11	"		"	"	0		30.14	60	62	59		bcz	Cicum	9	"	
Noon.	"		"	N.N.W.	0-1		30.16	60	62	59		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water distilled during the preceding 24 hours 300 "

Water remaining on hand fit for use at Noon 760 "

Coal consumed during the preceding 24 hours 1 tons 760 lbs.

Coal remaining on hand at Noon 92 " 1416 "

P. M.																
1	"		W.S.W.	N.S.W	0-1		30.07	60	62	59		bcz	Cir cumu	7	S.	
2	"		"	"	0-1		30.05	63	65	59		"	"	7	"	
3	"		N.N.E.	N.N.E.	0-1		30.01	63	65	59		"	"	7	"	
4	"		"	"	1		30.06	63	62	58		"	"	7	"	
5	"		"	"	1		30.06	63	62	58		"	"	5	"	
6	"		E.N.E.	E.N.E	1		30.05	63	59	57		"	"	6	"	
7	"		"	"	1		30.07	63	63	60		"	"	7	"	
8	"		"	E.	1		30.07	63	61	58		"	"	8	"	
9	"		W.E.E.	"	0-1		30.06	66	60	57		"	"	8	"	
10	"		"	Calm	0		30.06	66	60	57		"	"	9	"	
11	"		"	N.N.W.	0-1		30.06	62	58	55		"	"	9	"	
Mid.	"		"	N.W.	2		30.06	62	58	55		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A.H. McCormick, U. S. Navy,

Saturday August 19th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Calm. Barometer steady. Aneroid at end of watch 30.16.

[illegible] Lieutenant

4 to 8 A.M. Hazy. Warm. Pleasant. Light variable airs and calms. Aneroid 30.12

[illegible] Lieutenant

8 A.M. to Meridian. Weather fine. Calms and light airs from E.S.E. to N.N.W. Barometer falling. Cirro-cumulus clouds. Fires under two boilers. Distilling water. At 9 AM mustered and inspected crew at quarters. and found Jno. Curran (O.S.) and Herbert Hayes (O.S.) absent without leave. By order of Commanding Officer. Thomas Trainor (O.S.) and Danl. McKinnon (Sea), are to have five days solitary confinement on bread and water for attempting to take dinghy and leave ship without permission, and are released from confinement until the foregoing punishments can be carried into effect. Alexd. McLean. (O.S.) is disrated to seaman for neglect of duty. Aneroid barometer 30.06.

Ward Locker Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Light variable airs and calms. Barometer falling. Aneroid at end of watch 29.99.

[illegible] Lieutenant

4 to 8 P.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light airs from E to N.N.E. At 5th mustered the crew at quarters. the same men absent without permission as in the forenoon. Distilling water. Aneroid barometer 30.01.

Ward Locker Lieutenant

8 P.M. to Midnight. Clear and pleasant. Light variable airs and calms. Barometer steady. Aneroid at ends of watch 30.08.

[illegible] Lieutenant

Moon l mid
Dec 15° 05' 49" S
Phase New moon

Examined and found to be correct.

W. T. Packer
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Esex", 3d Rate, 6 Guns,

Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.W.	N.W.	2		30.10	62	55	52		bcz	cumbus	2	M	
2	"		"	"	4		30.12	61	55	52		"	"	2	"	
3	"		"	"	4		30.13	61	55	52		"	"	4	"	
4	"		"	"	4		30.16	61	55	52		"	"	4	"	
5	"		N.N.W.	N	2		30.16	60	58	56		ocz	cumb	0	S	
6	"		"	"	2		30.18	60	58	56		"	"	0	"	
7	"		N.W.	N.W.	2		30.20	60	58	56		"	Cir Cumu & Numb	0	"	
8	"		N.	"	2		30.20	60	57	55		"	"	0	"	
9	"		"	N.N.E.	1		30.24	61	58	56		"	"	0	"	
10	"		"	"	1		30.28	62	58	56		"	"	0	"	
11	"		E.N.E.	S.S.E.	1		30.28	68	59	57		"	"	0	"	
Noon.	"		"	"	1		30.25	66	59	57		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water distilled during the preceding 24 hours 2560 "

Water remaining on hand fit for use at Noon 3000 "

Coal consumed during the preceding 24 hours 2 tons 1620 lbs.

Coal remaining on hand at Noon 89 " 1036 "

P. M.															
1	"		W.S.W.	S.W.	1		30.21	68	61	58		bc	cicum	3	S	
2	"		"	"	1		30.20	68	61	58		"	"	4	"	
3	"		"	"	1		30.17	68	61	58		"	"	4	"	
4	"		N.N.W.	N.W.	0-1		30.17	68	61	58		oc	cicum numb	0	"	
5	"		"	"	0-1		30.21	68	61	58		ocz	numb	0	"	
6	"		W.	"	0-1		30.21	68	61	58		"	"	0	"	
7	"		"	"	0-1		30.20	68	61	57		"	"	0	"	
8	"		"	"	0-1		30.19	66	61	57		"	"	0	"	
9	"		S.S.W.	S.W.	1		30.20	65	61	57		"	"	0	"	
10	"		"	"	1		30.20	65	60	56		"	"	0	"	
11	"		S.W. by W.	"	1		30.18	65	61	58		"	"	0	"	
Mid.	"		N.N.W.	N.N.W.	1		30.15	63	61	58		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, August 20th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool. Fresh breeze from N.W. with heavy swell from same direction until last hour wind and sea then moderating. Barometer rising. Aneroid barometer at the close 30.13.

W.M. Smith Master

4 to 8 A.M. Weather overcast but not unpleasant. Barometer rising. Light breeze from N. to N.W. Hazy about the horizon. Aneroid barometer 30.18. Received on board for use of crew 103 lbs of fresh beef 83 lbs of bread and 83 lbs of vegetables.

Ward Arbuckle, Lieutenant

8 A.M. to Meridian. Weather overcast but pleasant. Light variable airs. Barometer rising. Mustered at quarters at 9h the Commanding Officer inspecting the ship. Aneroid at end of watch 30.15.

A.H.M. Lieutenant

Meridian to 4 P.M. Overcast but pleasant, with light breeze from S. and W., At 12. M. H.M.S. "Swiftsure" came into the harbor, fired a Rear Admirals salute and anchored. Sent an officer to the "Swiftsure" to make an official call and tender the usual courtesies. Two Chilian vessels left the harbor, At 3h an English mail steamer came into the harbor from the S. Aneroid barometer 30.14.

W.M. Smith Master

4 to 8 P.M. Overcast. Light airs from N.W. Barometer falling. An officer from H.M.S. "Swiftsure" paid an official visit to the ship at 5h, Aneroid at end of watch 30.12

A.H.M. Lieutenant

8 P.M. to Midnight. Cloudy and cool. Very light airs from S.W. Barometer falling slightly. Aneroid barometer at close 30.11.

W.M. Smith Master

Moon Laid
Dec 17° 49' 47" L
Phase, New Moon

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Coquimbo Chile S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N N W.	N N W	0-1		30.10	62	60	57		ocz	nimb	0	8	
2	"		"	N E.	0-1		30.09	62	60	57		"	"	0	"	
3	"		"	Calm	0		30.09	62	60	57		"	"	0	"	
4	"		"	"	0		30.09	62	59	56		"	"	0	"	
5	"		"	"	0		30.12	62	57	56		"	"	0	"	
6	"		"	"	0		30.12	63	57	56		"	"	0	"	
7	"		N × E.	"	0		30.16	63	57	56		"	"	0	"	
8	"		N E	N E × E	0-1		30.18	61	57	56		"	"	0	"	
9	"		"	"	0-1		30.20	68	58	55		"	"	0	"	
10	"		N N W	N N W	0-1		30.20	66	60	56		bc	Cir cum	5	"	
11	"		"	"	2		30.20	65	61	57		"	"	8	"	
Noon.	"		"	"	1		30.18	65	61	57		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2680 "

Coal consumed during the preceding 24 hours tons 2000 lbs.

Coal remaining on hand at Noon 88 " 1276 "

P. M.																
1	"		N N W	N W	1		30.10	65	62	57		bc	Cir cum	8	8	
2	"		W N W	S. W	1		30.08	65	65	59		"	"	8	"	
3	"		W S W.	N W	1		30.10	65	65	59		"	"	8	"	
4	"		S. S. W	S. W	1		30.13	65	64	58		"	"	8	"	
5	"		W.	W.	0-1		30.13	64	64	58		"	"	8	"	
6	"		"	"	0-1		30.13	64	64	58		"	"	8	"	
7	"		"	"	0-1		30.13	64	63	58		"	Cir cum Nimb	3	"	
8	"		W N W	"	0-1		30.13	64	60	57		ocz	"	0	"	
9	"		N W.	N N W	0-1		30.13	64	60	57		"	"	0	"	
10	"		"	"	0-1		30.13	64	60	57		"	"	0	"	
11	"		"	"	1		30.13	64	59	56		"	"	0	"	
Mid.	"		"	"	1		30.11	62	59	56		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Monday August 21st, 18 8[illegible]

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Hazy. Pleasant, light variable airs and calms, Aneroid 30.06.

Wainwright-Keeney Lieutenant

4 to 8 A.M. Hazy. Light airs and calms. Aneroid 30.08.

[signature] Lieutenant

8 A.M to Meridian. Pleasant weather. Light airs from N.N.W. Barometer steady. Sent to quarters at 9h and inspected the crew. Exercised the 1st and 2d divisions at great guns. 3d and Masters divisions at singlesticks. Powder division and Marine guard at small arms. At 10h Rear Admiral Lyons U.S.N. visited the ship and was received with the customary honors. The Commanding Officer paid an official visit to H.B.M.S. "Swiftsure." Hoisted out the sailing launch. Aneroid barometer 30.11. The band on the "Swiftsure" played the American national air at colors. Hauled fires.

W.M. Inman Master

Meridian to 4 P.M. Hazy. pleasant. Light variable airs. At 1 called away all armed boats and exercised them. Aneroid 30.10.

Wainwright-Keeney Lieutenant

4 to 8 P.M. Pleasant weather. Light breeze from N.E. Barometer steady. Sent to quarters at 6h and mustered the crew. Sent fore and main topgallant sails. Got dinghy and all boats' strong backs in on deck ready for scrubbing. Aneroid barometer at the close. 30.10.

W.M. Inman Master

8. P.M to Midnight. Cloudy, hazy. pleasant. Light airs from N.N.W. Aneroid 30.10

Wainwright-Keeney Lieutenant

Moon's mid Examined and found to be correct.

Phase. First quarter

Dec. 19° 48' 18" S.

W. T. Parker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.W.	N.N.W	2		30.10	63	58	53		bcz	cir cum and numb	4	S.	
2	"		N.N.W	N.W.	2		30.10	63	58	55		"	"	4	"	
3	"		W.N.W.	"	3		30.10	62	58	55		"	"	2	"	
4	"		N.W.	"	3-4		30.10	62	57	54		ocgz	"	0	"	
5	"		"	"	3-4		30.10	62	57	55		"	"	0	"	
6	"		"	"	2		30.10	62	57	55		ocz	"	0	"	
7	"		"	"	2		30.12	62	57	55		"	"	0	"	
8	"		N.N.W.	N.N.W.	2		30.14	62	58	55		"	"	0	"	
9	"		"	"	2		30.20	63	58	56		"	"	0	"	
10	"		N.×W.	"	2		30.19	61	59	55		bc	Cumi	6	M	
11	"		N.N.W	"	4		30.18	61	59	55		"	"	7	"	
Noon.	"		"	"	4		30.17	63	59	55		"	•	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2330 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 88 " 976 "

P. M.															
Anchored		N.W	W.N.W.	3		30.15	63	61	56		bcz	cir cum	8	S	
2	"	"	"	3		30.15	64	62	57		"	"	7	"	
3	"	"	N.W.×W.	3		30.13	64	62	57		"	"	8	"	
4	"	"	N.W.	3		30.12	64	62	57		"	"	7	"	
5	"	"	W.N.W.	3		30.15	63	60	56		"	"	7	"	
6	"	N.N.W.	N.W.	3		30.15	63	59	55		"	"	7	"	
7	"	"	"	3		30.16	63	59	55		"	"	8	"	
8	"	"	N.N.W	2		30.16	63	59	55		"	"	7	"	
9	"	"	"	2		30.16	63	59	56		"	"	7	"	
10	"	N.N.W.	N.W.	1		30.18	63	59	55		"	"	5	"	
11	"	N.×W.	N.N.W	3		30.18	63	59	55		ocz d	cir cum numb	0	"	
Mid.	"	N.W.×N.	N.	3		30.18	62	59	55		ocz	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, August 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant though cloudy and squally in last hour of watch. Barometer steady. Breze light to moderate from N.W. to N.N.W. Haze around the horizon. Clouds cirro-cumulus and nimbus. Aneroid barometer 30.08.

Hal Rohrer, Lieutenant

4 to 8 A.M. Overcast cloudy and cool. Light breeze from N.W. Barometer steady. Crossed topgallant yards at 8.00. Aneroid barometer 30.08.

W. H. Smith, Master

8 A.M. to Meridian. Clear greater part of watch. Pleasant. Moderate breze from N.N.W. At 9.30 mustered at quarters. Exercised 1st division at single sticks 2d at great guns and 3d at small arms. Received an official visit from the commanding Officer of H.M.S. "Swiftsure." Aneroid 30.02.

Wainwright-Kellogg COR, Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Cirro cumulus clouds. Gentle breeze from N.N.W. to N.W. Engaged in scraping hatch combings, bridge and forecastle rails ready for painting. Ens. Kennedy (Br. M.C.) returned to the ship at 1. Aneroid barometer 30.09.

Hal Rohrer, Lieutenant

4 to 8 P.M. Hazy. Pleasant. Light breeze from N.W. At 5.15 mustered at quarters. Aneroid 30.03.

Wainwright-Kellogg, Lieutenant

8 P.M. to Midnight. Weather generally pleasant, though overcast and cloudy in latter part of watch. Barometer steady. Light to gentle breeze from N.W. to N.N.W. At 9.10 rang the fire alarm and exercised crew at night fire quarters. Aneroid barometer 30.05.

Hal Rohrer, Lieutenant

Moon 1 mid
Dec 20° 49' 55" S.
Phase. First quarter.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate. 6 Guns.

Coquimbo. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Therm. attd.	THERMOMETER. Air Dry Bulb.	THERMOMETER. Air Wet Bulb.	THERMOMETER. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.W. by W.	S.W. by W.	3	11	30.20	60	57	55				0	M.	
2	"		S.S.W.	S.S.W.	3	11	30.20	60	57	55		"	"	0	"	
3	"		"	"	3	11	30.20	60	57	55		"	"	0	"	
4	"		"	"	4		30.20	60	56	54		"	"	0	"	
5	"		"	S.W.	3	11	30.20	60	56	55		"	"	0	"	
6	"		S.S.E.	S.S.E.	1		30.21	60	62	55		"	"	0	"	
7	"		"	"	1		30.21	60	62	55				5	"	
8	"		"	Calm	0		30.26	60	63	56		"	"	5	"	
9	"		S.W.	"	0		30.26	60	60	57				3	"	
10	"		"	S.W.	1		30.26	60	60	57		"	"	6	"	
11	"		"	S.S.W.	2		30.27	60	61	57		"		6	"	
Noon.	"		"	"	2		30.28	60	61	57		"	"	6	"	

P. M.																
1	"		S.W.	S.W.	2		30.27	63	60	57				8	B	
2	"		"	"	2		30.28	63	60	57		"	"	5	"	
3	"		"	"	2		30.23	63	60	57			"	4	"	
4	"		"	"	2		30.23	63	60	57		"	"	6	"	
5	"		S.S.W.	S.S.W.	3		30.22	65	60	59		"		7	"	
6	"		"	"	3		30.22	64	58	54		"		7	"	
7	"		"	"	3		30.22	64	58	54		"	"	8	"	
8	"		"	"	3		30.22	64	57	54		"		8	"	
9	"		"	"	2		30.22	64	57	54		"	"	6	"	
10	"		S.	S.W.	2		30.22	64	58	55		"	"	5	"	
11	"		"	"	1		30.25	60	59	54		"	"	3	"	
Mid.	"		"	"	1		30.25	60	57	54		"	"	6	"	

Distance run by Log since preceding Noon — knots ∞ fathoms ∞

Latitude by D. R. at Noon ∞ " "

Longitude by D. R. at Noon ∞ " "

Latitude by Observations at Noon ⊙ ∞ " "

Longitude by Chronometer from Forenoon Observations ⊙ ∞ " "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ∞ " "

Variation of the Compass by Azimuth ⊙ observed at ∞ " "

Water expended during the preceding 24 hours 320 gallons.

Water — during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2010 "

Coal consumed during the preceding 24 hours tons 3 lbs.

Coal remaining on hand at Noon 88 " 676 "

Longitude by Chronometer from Afternoon Observations ⊙ ∞ " "

Longitude by Chronometer from Observations ☆ ∞ " "

Variation of the Compass by Amplitude observed at Sunset ∞ " "

Variation of the Compass by — at ∞ " "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, August 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and rainy. Moderate breeze from N. and W. with moderate sea. Barometer steady. Aneroid at end of watch 30.19.

[redacted] Lieutenant

4 to 8 A.M. Cloudy, raining first two hours, with clearing weather remainder. Light variable breeze and calms. At 8m loosed sail. Aneroid 30.22.

[redacted] Lieutenant

8 A.M. to Meridian. Weather clear and pleasant. Barometer rising. Clouds cirro-cumulus, cumulus and nimbus. Light breeze from N.W. to W.N.W. At 9h went to general quarters and exercised until 10h. Exercised torpedoes from 11h to 11h 55m, firing two exercise torpedoes one from each bow. John Curran (O. Gr) and Richd Spurr (Sds) absent without leave. Engaged in scraping and painting hatch combings. Aneroid barometer 30.18. By order of Commanding Officer Jas H. Steward (Sds) and Geo H. Jordan (Sds) were given two days extra duty for being noisy in pantry. Henry Hines (OS) two days for hoisting a dirty cutlass and Wm E. Pickett (1CB) two days for persistent talking at quarters.

[redacted] Lieutenant

Meridian to 4 P.M. Weather partly cloudy and pleasant. Gentle breeze from S. and W. Barometer falling. By order of Commanding Officer Placed Dominick Orefice (ORL) in double irons for insolence to superior officer and positive disobedience of orders. Furled sail at 300. Aneroid at end of watch 30.16.

[redacted] Lieutenant

4 to 8 P.M. Weather clear and pleasant. Gentle breeze from S.S.W. Barometer steady. Clouds cirrus, stratus and cirro-cumulus. At 5h mustered crew at quarters finding the same men absent as at morning quarters. Aneroid barometer 30.19

[redacted] Lieutenant

8 P.M. to Midnight. Weather clear and pleasant. Moonlight. Light airs from S. and W. Barometer rising. Aneroid 30.22

[redacted] Lieutenant

Moon I mid
Dec 20° 00' 00" S
Phase, First quarter

Examined and found to be correct.

[redacted]
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.E.	S.W.	1		30.27	61	57	51		bcm	Cir Cumu	7	S	
2	"		"	"	1		30.26	61	57	51		"	"	7	"	
3	"		"	"	1		30.26	61	57	51		"	"	9	"	
4	"		"	"	1		30.25	61	57	51		"	"	9	"	
5	"		N.	Calm	0		30.26	60	53	50		bz	—	10	"	
6	"		"	S.S.E.	0-1		30.26	60	53	50		bcz	Cir Cumu	9	"	
7	"		"	"	0-1		30.30	60	54	51		"	"	8	"	
8	"		N.N.W.	"	0-1		30.31	60	54	51		"	"	7	"	
9	"		"	Calm	0		30.33	60	57	53		bc	"	8	"	
10	"		"	"	0		30.34	60	59	52		"	"	9	"	
11	"		W.N.W.	W.S.W.	2		30.34	61	60	55		b	—	10	"	
Noon.	"		S.S.W.	S.S.W.	4		30.33	63	59	53		"	—	10	"	

P. M.																
1	"		S.S.W.	S.S.W.	4		30.31	63	60	53		bc	Cir cumu	9	S	
2	"		"	"	4		30.29	64	60	53		b		10	"	
3	"		"	"	4		30.26	64	61	53		"		10	"	
4	"		"	"	4		30.27	64	61	53		"		10	"	
5	"		"	"	4		30.27	64	61	53		bcz	Cir cumu	8	"	
6	"		"	"	4		30.22	63	61	53		"	"	8	"	
7	"		"	"	3		30.22	63	61	53		"	"	8	"	
8	"		"	"	1		30.22	63	61	53		"	"	9	"	
9	"		E.S.E	S.S.E	1		30.20	61	57	52		"	"	9	"	
10	"		S.S.W.	S.W.	1		30.23	63	56	53		"	"	9	"	
11	"		W.	N.W.	1		30.23	63	56	53		"	"	9	"	
Mid.	"		W.N.W	N.N.W.	1		30.20	63	55	52		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1690 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 88 " 376 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday August 21st, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Bright starlight, light airs from S.W. Barometer steady. Aneroid barometer 30.21.

W.M. Smith Master

4 to 8 A.M. Weather clear and pleasant. Light airs from S.S.E. Barometer rising. Clouds stratus and cirro-cumulus. Rich.d Spurr Sds returned to the ship. Wm. E. Pickett, 1 CB ran away from one of the ship's boats while it was ashore on duty. Aneroid barometer 30.26. Received on board for use of crew 103 lbs. fresh beef 83 lbs of vegetables and 83 lbs of fresh bread.

Karl Kroll Lieutenant

8 A.M. to Meridian. Clear and pleasant. Light variable airs and calms Barometer rising. Mustered at quarters at 9.30 and exercised all starboard division and Marine guard at small arms. and Powder division at passing powder. A reward of $10.00 was offered for the apprehension and delivery on board of August Burman (S. Cook.) and $5.00 for W.E. Pickett (1 CB.) both absent without leave. Crew at work cleaning and painting ship. Aneroid at end of watch 30.20.

J.R. Rees Lieutenant

Meridian to 4 P.M. Clear and pleasant. Fresh breeze from S.S.W. Barometer falling. Moderate swell from S.W. The Governor of the province and Captain of the port paid an official visit to the Ship and were received with the customary honors. Aneroid barometer 30.19.

W.M. Smith Master

4 to 8 P.M. Clear and pleasant. Bright moonlight latter part of watch. Gentle to light breeze from S.S.W. Aneroid at end of watch 30.19

C.P. Rees Lieutenant

8 P.M. to Midnight. Clear delightful weather. Bright moonlight and starlight. Light airs from S.S.E.

W.M. Smith

Master

Moon's mid - Examined and found to be correct.
Dec. 19° 24' 00" S
Phase First quarter

W.T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Coquimbo, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E by E.	N W.	1		30.20	60	55	51		bcz	circum	9	L	
2	"		"	N W by N.	1		30.18	60	55	51		"	"	9	"	
3	"		"	"	1		30.15	60	53	51		"	"	8	"	
4	"		"	"	1		30.12	60	53	50		bcm	"	8	"	
5	"		"	"	1		30.12	60	53	50		"	"	8	S	
6	"		"	"	1		30.12	60	53	50		"	"	8	"	
7	"		N W by N.	"	1		30.15	60	53	50		"	"	9	"	
8	"		"	"	1		30.15	60	52	49		"	"	9	"	
9	"		N W.	Calm	0		30.15	60	56	53		bcz	"	9	"	
10	"		"	"	0		30.15	60	58	53		bz		10	"	
11	"		"	N	1		30.15	60	58	53		"		10	"	
Noon.	"		"	"	1		30.12	60	58	53		"		10	"	

P. M.																
1	"		N N W.	N	1		30.10	62	59	54		bz		10	S	
2	"		N N E	"	1		30.17	62	62	58		"		10	"	
3	"		N N W.	Calm	0		30.16	62	63	59		"		10	"	
4	"		"	"	0		30.16	62	63	59		"		10	"	
5	"		"	"	0		30.16	62	63	59		bcz.	circum	9	"	
6	"		"	N W.	1		30.16	62	63	59		"	"	8	"	
7	"		"	"	1		30.16	60	60	55		"	"	8	"	
8	"		"	"	1		30.15	60	60	55		"	"	8	"	
9	"		"	"	0-1		30.08	60	58	55		"	"	6	"	
10	"		N N E.	N E.	0-1		30.08	60	58	55		"	"	6	"	
11	"		"	Calm	0		30.08	60	57	54		"	"	7	"	
Mid.	"		"	"	0		30.08	60	57	54		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1360 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 88 " 76 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A.A. McCormick, U. S. Navy,

Friday, August 25th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear and pleasant, light variable airs. Moon set at 2.15. Aneroid 30.12.

Winninghet Kellogg Lieutenant

4 to 8 A.M. Clear and pleasant, light airs from N.N.W. Barometer steady, Aneroid at end of watch 30.10.

[illegible] Lieutenant

8 A.M. to Meridian. Clear and warm, hazy. Calms and light airs from N.E., Went to fire quarters at 9.30 and exercised the crew. all divisions ready in two minutes, secured in 2 minutes and 50 seconds. Exercised Gatling guns crew and signal class. Crew employed in scraping smoke stacks, hatch combings &c. Aneroid barometer at the close 30.10.

W.M. Simms Master

Meridian to 4 P.M. Clear, warm, pleasant, light airs from the N.E. Barometer rising. Aneroid at end of watch 30.10.

Winninghet Kellogg Lieutenant

4 to 8 P.M. Pleasant weather. Light breeze from N.W. Bright moonlight and starlight latter part, Barometer steady. Aneroid 30.10.

W.M. Simms Master

8 P.M. to Midnight. Hazy, pleasant. Light airs and calms. Bright moonlight. August Burnham, Ships Cook, returned on board by the authorities from shore. Aneroid 30.06.

Winninghet Kellogg Lieutenant

Moon's mid. Examined and found to be correct.

Dec. 16° 50' 00" S.

Phase 1st Quarter

W.T.J. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Coquimbo. Chili. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ENE.	Calm	0		30.08	60	57	54		bcz	cir	7	S.	
2	"		NNW.	NW.	2		30.08	60	56	53		"	cir cumu	7	"	
3	"		"	NNW.	2		30.00	60	55	53		"	cir cumu + cumu	4	"	
4	"		NNE.	NE.	2		30.10	60	55	52		"	"	2	"	
5	"		"	NW.	4		30.10	60	55	52		ocz	"	0	"	
6	"		"	"	4		30.09	59	55	52		"	"	0	"	
7	"		"	NNE.	3		30.09	59	55	52		bcz	"	2	"	
8	"		"	NNW.	3		30.09	59	55	52		"	"	3	"	
9	"		"	"	4		30.18	60	55	52		"	"	5	M	
10	"		"	"	4		30.20	59	55	52		"	"	5	"	
11	"		"	"	4		30.21	59	56	52		"	"	5	"	
Noon.	"		"	"	4		30.24	59	56	52		"	"	3	"	

Distance run by Log since preceding Noon ... knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours ... 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1060 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 87 " 2016 "

P. M.																
1	"		NNW.	WNW.	3		30.24	61	57	53		bcz	cir cumu	2	S	
2	"		"	"	3		30.24	61	57	53		"	"	1	"	
3	"		NW	NNW.	1		30.24	61	57	53		"	"	1	"	
4	"		"	"	1		30.24	61	57	53		"	"	1	"	
5	"		"	"	1		30.24	61	57	53		"	"	1	"	
6	"		"	N	1		30.24	61	58	55		ocz	cir cumb	0	"	
7	"		"	"	1		30.25	61	58	55		"	"	0	"	
8	"		"	SW.	0-1		30.27	63	58	55		"	"	0	"	
9	"		E+S.	NW.	2		30.29	63	58	53		bcz	cir cumu	2	"	
10	"		"	"	2		30.29	63	58	53		"	"	2	"	
11	"		NE.	"	2		30.29	63	58	53		"	cir cumu	6	"	
Mid.	"		"	"	2		30.29	63	58	53		"	cirrus	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, August 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and to 4 A.M. Weather pleasant. Light airs from W and NW. Barometer rising. Clouds cirrus, cirro-cumulus, and cumulus. An English steamer went to sea. Aneroid barometer 30.05. Hazy about horizon. Heavy dew.

Ward Robertson Lieutenant

4 to 8 A.M. Cloudy and cool. Moderate breeze from NW. hauling to NNE. Barometer steady. Aneroid barometer at close 30.13.

W. M. Symington Master

8 A.M. to Meridian. Cloudy, pleasant. Light breeze from NNW. At 9 mustered at quarters. The following men were punished as follows: J. J. Chamberlain (O26), disrated to 1st class Boy for shirking below while on anchor watch. Eugene S. Carr, 'O26' three days extra duty for destroying Govt property and R. Spur, 'Eds' 5 days solitary confinement on bread and water for destroying clothing. Aneroid 30.20

Wainwright Keeney cox Lieutenant

Meridian to 4 P.M. Weather pleasant, though somewhat cloudy. Barometer steady. Clouds cirro-cumulus and nimbus. Light ~~to variable~~ breeze from NNW. to NNW. The sum of ten dollars was paid for the apprehension and delivery on board of A. Burman, (S6). Aneroid barometer 30.20

Ward Robertson Lieutenant

4 to 8 P.M. Cloudy, pleasant. Light airs from W. and NW., at 5.15 mustered at quarters. Aneroid 30.22.

Wainwright Keeney Lieutenant

8 P.M. to Midnight. Weather clear and pleasant in latter part of watch. Light airs from NW. Barometer steady. Clouds cirrus, cirro-cumulus and cumulus. Hazy about the horizon. Aneroid barometer 30.24.

Ward Robertson Lieutenant

Moon 1 mid
Dec. 13° 08' 12" S.
Phase 1st Quarter

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S. & E.	E.S.E.	0-1		30.30	61	56	53		bcz	cir	7	S	
2	"		"	"	0-1		30.30	61	56	53		"	"	8	"	
3	"		S.S.W.	Calm	0		30.28	60	55	52		"	"	9	"	
4	"		"	N.E.	0-1		30.28	60	54	51		"	"	9	"	
5	"		"	N.W.	0-1		30.28	60	54	51		"	"	9	"	
6	"		E.N.E.	Calm	0		30.29	59	54	51		"	"	9	"	
7	"		"	"	0		30.30	59	54	51		"	"	9	"	
8	"		"	"	0		30.30	59	54	51		"	"	9	"	
9	"		N.S.W.	"	0		30.32	59	57	54		"	"	9	"	
10	"		"	S.W.	2		30.32	59	57	54		"	"	9	"	
11	"		S.W.	"	2		30.31	59	57	54		"	"	9	"	
Noon.	"		"	"	2		30.29	59	57	54		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 760 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 87 " 1716 "

P. M.															
1	"		S.W.	S.W.	2		30.27	64	61	55		bcz	cir	9	S	
2	"		"	"	4-5		30.25	64	61	55		bcgz	"	9	"	
3	"		"	"	4-5		30.23	64	61	55		"	"	9	"	
4	"		"	"	3		30.21	64	61	55		bcz	"	9	"	
5	"		"	"	2		30.21	64	61	55		"	"	9	"	
6	"		"	"	2		30.21	63	61	56		"	"	9	"	
7	"		"	"	1		30.21	63	60	57		"	"	9	"	
8	"		"	E.S.E.	1		30.21	63	61	57		"	"	9	"	
9	"		N.N.E.	N.N.E.	1		30.23	63	60	59		"	"	9	"	
10	"		"	"	1		30.23	63	60	58		"	"	9	"	
11	"		"	"	1		30.23	63	60	54		"	"	9	"	
Mid.	"		"	"	1		30.20	63	56	52		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, August 27th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and till 4 A.M. Clear and pleasant, Bright moonlight, light variable airs, and calms. Barometer nearly steady, Aneroid at end of watch 30.23

P. H. R. Lieutenant

4 to 8 A.M. Hazy, pleasant, light, variable airs, and calms. Aneroid 30.26.

Wainwright Kellogg Lieutenant

8 AM to Meridian. Clear and pleasant weather, Barometer falling. Cirrus clouds, Light breeze from S.W. Aneroid barometer 30.23. At 9h 00m went to quarters and the Captain inspected the ship and crew. Wm E. Pickett, 1CB absent from ship without leave, By order of Comdg Officer. Thos Trainor, CMate was released from confinement. Hazy about the horizon. Received onboard for use of crew 103 lbs. fresh meat, 81 lbs. of vegetables, and 81 loaves of bread.

Ned Nichols, Lieutenant

Meridian to 4 P.M. Clear and cool. Gentle breeze from S.W. Barometer falling, Aneroid at end of watch 30.18.

P. H. R. Lieutenant

4 to 8 P.M. Weather clear and pleasant. Barometer steady, Cirrus clouds, Breeze light from S.W. to E.S.E. Got up clothes lines at sunset, Aneroid barometer 30.14.

Ned Nichols, Lieutenant

8 P.M. to Midnight, Clear and pleasant. Bright moonlight. Light airs from W. and S., Aneroid at end of watch 30.18.

P. H. R. Lieutenant

Moon's Decl. 8° 30' 59" S
Phase 1st Quarter

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo. Chili.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ENE.	E.S.E.	0-1		30.19	61	54	52		bz		10	6	
2	"		"	"	0-1		30.18	60	53	51		"		10	"	
3	"		"	"	1		30.16	60	53	51		bcz	cirs	9	"	
4	"		S.E.	"	1		30.14	60	53	51		"	"	8	"	
5	"		"	"	1		30.14	60	53	51		"	"	8	"	
6	"		"	S.E.	1		30.13	60	53	50		"	cirs cums	7	"	
7	"		"	"	0-1		30.10	60	53	50		"	"	7	"	
8	"		"	"	0-1		30.09	60	54	52		"	"	6	"	
9	"		NNW	Calm	0		30.09	60	54	52		"	"	7	"	
10	"		"	NNW.	1		30.10	60	58	55		bc	"	9	"	
11	"		"	N	1		30.10	60	59	56		"	"	9	"	
Noon.	"		"	NNW.	1		30.08	60	60	55		"	"	9	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time ____ knots ____ fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 360 gallons.

Water ____ during the preceding 24 hours "

Water remaining on hand fit for use at Noon 400 "

Coal consumed during the preceding 24 hours ____ tons 300 lbs.

Coal remaining on hand at Noon 87 " 116 "

P. M.															
1	"		NNW	NNW.	1		30.08	60	60	55		bc	cicums	9	8	
2	"		"	"	1		29.98	63	62	58		"	"	9	"	
3	"		"	"	1		29.98	63	62	58		"	"	9	"	
4	"		"	"	1		29.97	63	62	58		"	"	9	"	
5	"		NE	ENE.	1		29.94	62	61	58		bz		10	"	
6	"		"	"	1		29.92	61	60	57		"		10	"	
7	"		"	"	0-1		29.91	61	59	57		"		10	"	
8	"		"	"	0-1		29.90	60	58	56		"		10	"	
9	"		ENE.	"	1		29.90	64	58	56		"		10	"	
10	"		ENE	SE	1		29.90	64	58	56		"		10	"	
11	"		"	"	1		29.90	64	58	56		"		10	"	
Mid.	"		"	Calm	0		29.90	63	58	55		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by ____ at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday August 28th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear bright moonlight and starlight, Light airs from E.S.E. Barometer falling. Aneroid barometer 30.10.

W. McCrum Master

4 to 8 A.M. Weather pleasant but hazy. Light airs from E.S.E to S.E. Barometer falling. Cirro-cumulus clouds. Wm. E. Pickett, 1 CB returned to the ship. Aneroid barometer 30.09

Harold Robert Lieutenant

8 A.M to Meridian. Clear and warm, hazy at beginning of watch. Barometer steady. By order of Commanding Officer released Dominick Orefice "1st Class" from confinement and placed Daniel McKinnon. Sea, in solitary confinement on bread and water for five days for attempting to lower boat and leave the ship without permission. At 9, 30 went to quarters, the Commanding Officer continuing the semi-annual inspection with the verbal examinations of guns crews. The Chilian steamer "Pachapoal" flying the American flag at the main came in and anchored at 11. saluting by dipping her colors. Returned the salute, Sent an officer to board her. The American Minister accredited to Chili returned in the boat and was received on board with the ceremonies pertaining to his official position. The Commanding Officer of H.M.S. "Nature" called on the Commanding Officer at 11.15. Aneroid at end of watch 30.05.

C. F. Reed Lieutenant

Meridian to 4 P.M. Clear and warm. Light breeze from N.N.W. Barometer falling. Hoisted out sailing launch. Called away all boats armed and equipped at 1.00, all boats ready in 10 minutes, 30 seconds. Called all hands to quarters at 1.23. piped down at 1.28. Aneroid barometer at close 29.95

W. McCrum Master

4 to 8 P.M. Clear and pleasant. Bright moonlight latter part of watch. Mustered at quarters at 5.15. Barometer falling, Started fires under two boilers for distilling at 6.00. Aneroid at end of watch 29.94.

C. F. Reed Lieutenant

8 P.M to Midnight. Pleasant weather. Bright moonlight and starlight, Light airs from S.E. and calms. Distilling. Aneroid barometer 29.88.

W. McCrum Master

Moon's mid. Examined and found to be correct.
Dec. 3° 17' 58" S
Phase, Full moon

W. S. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Coquimbo. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.	Calm	0		29.86	62	58	55		bz		10	S	
2	"		"	"	0		29.86	62	58	55		"		10	"	
3	"		"	"	0		29.86	62	58	55		"		10	"	
4	"		"	"	0		29.85	62	58	55		"		10	"	
5	"		NNW.	NW.	2		29.85	60	55	53		ocf	cir cumu	0	"	
6	"		"	"	2		29.87	60	55	53		bc	"	8	"	
7	"		"	NNW.	6		29.92	59	53	53		bcg	"	5	M	
8	"		"	"	6		29.95	59	55	53		"	"	3	"	
9	"		"	"	5		29.98	59	55	53		"	"	3	"	
10	"		WNW	NW.	3		29.99	59	54	54		bc	"	4	"	
11	"		"	"	3		30.00	61	59	55		"	"	5	"	
Noon.	"		"	"	3		30.01	62	59	55		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 100 "

Coal consumed during the preceding 24 hours 2 tons 720 lbs.

Coal remaining on hand at Noon 85 " 696 "

P. M.															
1	"		NNW	NW.	3		30.01	62	59	55		bcz	cir cumu	5	M	
2	"		"	"	2		30.02	64	60	56		"	"	5	"	
3	"		"	"	2		30.02	63	59	55		"	"	5	"	
4	"		"	N	2		30.03	63	59	55		"	"	5	"	
5	"		NNW×N	NW×N	2		30.03	63	59	55		"	"	3	S	
6	"		"	"	2		30.03	70	59	55		"	"	3	"	
7	"		"	"	1		30.05	74	59	55		ocz	"	0	"	
8	"		"	"	1		30.08	70	59	55		"	"	0	"	
9	"		NNW.	NE.	1		30.08	70	59	55		"	"	0	"	
10	"		"	"	1		30.08	68	59	56		"	"	0	"	
11	"		"	"	1		30.10	68	59	56		"	"	0	"	
Mid.	"		"	"	1		30.10	65	59	56		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, August 29th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Hazy Pleasant, Calm, Bright moonlight Distilling. Aneroid low and steady. 29.86.

Winninghet Kellogg Lieutenant

4 to 8 A.M. Weather clear at beginning of watch, afterwards cloudy with stiff breeze from N.N.W. Barometer low but rising. Got in launch. Indications of Rainy weather outside. Distilling fresh water. Aneroid at end of watch 29.98.

J. Rhu Lieutenant

8 A.M. to Meridian. Cloudy and cool. Fresh breeze from N.N.W. first part moderating throughout the watch. Barometer rising slightly At 9.30 went to Fire Quarters, and exercised the crew. Secured at 9.45. The Commanding Officer resumed the semi-annual inspection: exercised all the divisions at small arms and single sticks and the Marine Guard at small arms. also the crews of the Gatling gun and 3 in Breech loaders. Overhauled slings of fore and main yards. Remainder of watch crew employed in scraping Fire room and Engine room hatches. Aneroid barometer at the close 30.00.

W. W. Smith Master

Meridian to 4 P.M. Overcast and cool with light breeze from N.E. Barometer steady. Crew at work scraping hatches. Ark English steamer came in from the S.E. Aneroid at the end of watch 30.00.

Winninghet Kellogg Lieutenant

4 to 8 P.M. Pleasant weather. Light breeze from N.W. by N. Barometer steady. Got royal yards on deck bent royals and put yards in rigging. English steamer went out bound to the N.E. Aneroid barometer 30.00.

W. W. Smith Master

8 P.M. to Midnight. Hazy pleasant. Light airs from N.E. Moonlight Aneroid 30.01.

Winninghet Kellogg Lieutenant

Moon L. mid. Examined and found to be correct.

Dec. 2° 06' 59" N

Phase Full moon

W. T. Sampler Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo, Chile S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.W.	N.N.W.	1		30.10	63	60	56		ocz	cir cumo	0	S.	
2	"		N.W.	Calm	0		30.10	63	60	55		"	"	0	"	
3	"		W.N.W.	"	0		30.12	63	59	55		"	"	0	"	
4	"		"	"	0		30.12	63	59	55		"	"	0	"	
5	"		"	"	0		30.13	63	59	55		"	"	0	"	
6	"		"	"	0		30.16	63	59	55		"	"	0	"	
7	"		"	"	0		30.19	62	59	55		"	"	0	"	
8	"		"	S.E.	2		30.20	62	59	55		"	"	0	"	
9	"		S.S.E.	"	1		30.20	62	59	55		"	"	0	"	
10	"		"	Calm	0		30.20	62	62	58		bcz	"	5	"	
11	"		W.S.W.	W.	1		30.20	63	62	58		"	"	5	"	
Noon.	"		"	"	1		30.20	64	63	58		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water distilled during the preceding 24 hours 2600 "

Water remaining on hand fit for use at Noon 21400 "

Coal consumed during the preceding 24 hours 2 tons 1620 lbs.

Coal remaining on hand at Noon 82 " 1316 "

P. M.															
1	"		W.S.W.	W.S.W.	1		30.20	64	63	58		bcz	cir cumo	9	S.	
2	"		"	"	1		30.18	64	63	57		"	"	9	"	
3	"		S.W.	"	2		30.18	64	63	57		"	"	9	"	
4	"		"	"	2		30.18	64	63	57		"	"	9	"	
5	"		W.S.W.	S.W.	2		30.17	64	63	55		"	"	9	"	
6	"		S.S.W.	S.S.W.	2		30.17	64	60	56		"	"	9	"	
7	"		"	"	2		30.17	64	60	56		"	"	9	"	
8	"		W.S.W.	Calm	0		30.20	63	60	55		"	cir	9	"	
9	"		N.N.W.	"	0		30.19	61	60	56		"	cir cumo	6	"	
10	"		"	"	0		30.18	61	59	56		"	cir	7	"	
11	"		"	E.S.E.	0-1		30.18	61	58	55		"	"	8	"	
Mid.	"		"	"	0-1		30.18	61	57	54		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday August 30th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 4 A.M. Weather overcast cloudy and hazy. Barometer steady. Calm. Distilling water. Aneroid barometer 30.08.

Hal Wheeler, Jr Lieutenant

4 to 8 A.M. Overcast and cloudy hazy around the horizon. Calm until last hour, then light breeze from S.E. While the 1st Whaleboat was at the landing J. J. Chamberlain, 1 CB. left the boat without permission and did not return. Crossed royal yards at 8.00. Aneroid bar. at the close 30.11

W.M. Brown Master

8 A.M until Meridian. Hazy. Warm. Pleasant, Calms and light airs from W.S. At 9.36 called all hands clear ship for action. All ready in 11 minutes At 10.00. went to general quarters. All ready in 2 min. 50 Sec. Commanding Officer inspected the ship and divisions at quarters. At 11.15 secured. Secured pm 4 min. Aneroid 30.14. Lost overboard one wire span belonging to torpedo spar.

Winnington Kellogg

1st Lieutenant

Meridian to 4 PM. Weather clear and pleasant. Barometer steady Cirro cumulus clouds. Light breeze from N.E.N. Distilling water. Scraping fire room hatch combings and ventilators ready for painting. At three o'clock boat in returning from shore found the dead body of an English marine floating in the water brought it along side and by order of the Commanding Officer took it along side the English Flagship "Swiftsure".

Hal Wheeler, Lieutenant

4 to 8 PM. Hazy. Pleasant. Light airs from S.E. and W.S. At 5.15 mustered at quarters. Aneroid 30.14.

Winnington Kellogg

1st Lieutenant

8 PM to Midnight. Clear and pleasant. Bright moonlight. Light airs from E.S.E. Hazy about the horizon. Aneroid barometer 30.13.

Hal Wheeler, Lieutenant

Moon's mid

Dec 7° 20' 40" N

Phase Full moon.

Examined and found to be correct.

W. T. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Coquimbo. Chile. S.A

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.W.	S.E.	1		30.18	60	56	53		baz	cirs	8	S	
2	"		"	"	0-1		30.16	60	56	53		"	"	9	"	
3	"		"	"	0-1		30.14	60	56	53		"	"	9	"	
4	"		N×W.	Calm	0		30.14	60	55	52		"	"	9	"	
5	"		N.N.W.	"	0		30.16	58	55	52		"	"	9	"	
6	"		"	"	0		30.16	58	55	52		"	"	9	"	
7	"		"	"	0		30.18	59	54	51		b		10	"	
8	"		"	"	0		30.20	59	54	52		"		10	"	
9	"		W.	W.S.W.	1		30.18	60	54	52		baz	cirs	7	"	
10	"		"	"	2		30.16	60	57	53		"	"	7	"	
11	"		"	"	2		30.15	61	57	53		"	"	7	"	
Noon.	"		"	"	2		30.15	62	57	53		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 650 "

Water remaining on hand fit for use at Noon 2700 "

Coal consumed during the preceding 24 hours tons 1700 lbs.

Coal remaining on hand at Noon 81 " 1857 "

P. M.																
Anchored			W×S.	W×S.	2		30.11	63	61	55		baz	cirs	9	S	
2	"		S.W.	W.S.W.	2		30.10	65	62	56		"	"	9	"	
3	"		"	"	2		30.10	65	62	56		"	"	9	"	
4	"		"	"	2		30.10	65	62	56		"	"	9	"	
5	"		"	"	2		30.10	65	62	56		"	"	8	"	
6	"		"	S.W.	1		30.10	65	61	56		"	"	6	"	
7	"		N.E×N	"	1		30.10	65	61	56		"	"	6	"	
8	"		"	N.E.	2		30.09	64	59	56		"	"	8	"	
9	"		"	"	2		30.11	64	59	56		"	"	8	"	
10	"		"	"	2		30.11	64	59	56		"	"	8	"	
11	"		"	"	2		30.11	62	59	56		"	"	9	"	
Mid.	"		"	"	2		30.11	62	59	56		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, August 31st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Bright moonlight. Light airs from S.E. Barometer steady. Aneroid at end of watch 30.10.

Lieutenant

4 to 8 A.M. Hazy. Pleasant. Calm. At 8. crossed topgallant and royal yards. By order of Comdg Officer. Danl McKinnon (Sea) was released from confinement and Bch Spt. Lds was placed in solitary confinement on bread and water for five days for destroying clothing. Chilian steamer came in from the S. Aneroid 30.11.

Wainwright Kellogg
WK
Lieutenant

8 A.M to Meridian. Weather clear and pleasant. Barometer falling. Cirrus clouds. Light breeze from N.E by N. Atg 3o mustered and inspected crew at quarters. Exercised 1st division at single sticks. 2d division at small arms. 3d division received instruction in the mechanism of the short Gatling gun, Marines were drilled at small arms. J. J. Chamberlain. 1CB. absent from the ship without leave, and an offer of five ($5.00) dollars reward for his apprehension and delivery on board was sent on shore. Atg 25 half masted our jack, and ensign and kept them so during the funeral services from the English Flagship "Swiftsure." A Chilian steamer went to sea and in passing she dipped her ensign, which compliment we acknowledged in kind. By order of Comdg Officer Wm S. Puckett 1CB is to have five days solitary confinement on bread and water for disobedience of orders, and shirking. and his monthly money is to be stopped for three months for leaving boat without permission.

Herbert Winslow,
Lieutenant

Meridian to 4 PM. Clear and pleasant. Light airs from S.E and W. Barometer steady. Aneroid at end of watch 30.02. Rec'd on board in Equipt Dept 1 bbl of lime.

Lieutenant

4 to 8 PM. Weather clear and pleasant. Barometer steady. Cirrus clouds. Light breeze from W.S.W to S.W. At 5.15 mustered at quarters and found J. J. Chamberlain (1CB) absent without leave. At sunset sent down royal and topgallant yards. Got up clothes lines. J. J. Chamberlain 1CB was brought on board by the police.

Herbert Winslow,
Lieutenant

8 PM to Midnight. Weather clear and pleasant. Bright moonlight. Light airs from N.E. Barometer steady. Aneroid at end of watch 30.08.

Lieutenant

Moon 2 Mid.
Dec 12° 02' 01" N
Phase Full moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Iris", 3d Rate, 6 Guns,

Anchored off Coquimbo. Chile SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE.	Calm	0		30.08	61	54	51		bcz	Ci cumo	4	8	
2	"		"	"	0		30.08	61	53	51		"	"	2	"	
3	"		"	NE.	0-1		30.08	61	53	51		"	"	2	"	
4	"		"	"	0-1		30.07	60	52	50		"	"	6	"	
5	"		E×N.	E×S.	0-1		30.06	60	52	50		ocz	Ci cumo Strato	0	"	
6	"		"	"	0-1		30.05	60	54	52		"	"	0	"	
7	"		"	"	0-1		30.05	60	54	52		"	"	0	"	
8	"		NE×E.	SE.	0-1		30.05	60	54	52		"	"	0	"	
9	"		NNE.	Calm	0		30.10	60	56	54		bcz	Ci cumo	4	"	
10	"		"	"	0		30.11	60	57	54		"	"	4	"	
11	"		"	"	0		30.16	60	58	54		"	"	6	"	
Noon.	"		N	N	1		30.16	60	58	54		"	"	8	"	

P. M.																
1	"		N	N	1		30.13	62	58	53		bcz	Ci cumo	8	8	
2	"		"	"	1		30.13	62	58	53		"	"	7	"	
3	"		"	SW.	1		30.13	62	58	53		"	"	7	"	
4	"		SW.	"	1		30.13	62	58	53		"	"	7	"	
5	"		"	"	1		30.12	63	59	54		"	"	6	"	
6	"		"	"	1		30.12	61	57	53		"	Ci cumo Cumo	5	"	
7	"		"	Calm	0		30.12	61	57	52		"	Ci	9	"	
8	"		"	"	0		30.11	61	57	54		"	"	7	"	
9	"		NNE	NNE.	1		30.11	63	56	53		"	Ci cumo	5	"	
10	"		"	"	1		30.15	63	56	53		"	"	5	"	
11	"		"	"	1		30.15	61	56	52		"	"	5	"	
Mid.	"		"	"	1		30.15	62	55	52		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2350 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 81 " 1556 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, September 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Calm first part, light airs from NE. latter part. Barometer steady. Aneroid at the close 30.06.

W.M. Simms Master

4 to 8 A.M. Weather overcast cloudy and hazy. Light airs from NE to E by S. Barometer falling. Cirrus and Cirro-cumulus clouds. Aneroid barometer 30.09.

Ward Nelson, USN Lieutenant

8 A.M. to Meridian. Hazy at beginning of watch, afterwards clear and calm. Exercised at fire quarters at 9.30. and afterwards exercised 1st division at howitzer 3d division at Gatling gun. Marine guard at bayonet drill. 9th Signal class at signals. Paid a reward of five dollars to police authorities for apprehension and delivery of J. J. Chamberlain. (1CB.) Cleaned bilges. Barometer reading Aneroid at end of watch 30.10. The Commanding Officer ordered monthly pay stopped for three months from J. J. Chamberlain. 1CB. for leaving boat without permission.

C. P. Plummer Lieutenant

Meridian to 4 P.M. Warm and hazy. Very light airs from N., Barometer steady. Crew employed scraping and painting Hatch combings. A small Chilian steamer came in from the S., Served out small stores. Aneroid barometer at the close 30.08.

W.M. Simms Master

4 to 8 P.M. Clear and pleasant. Light airs from S. and W., Barometer steady. Mustered at quarters at 5.15. Aneroid at end of watch 30.10.

C. P. Plummer Lieutenant

8 P.M. to Mid. Clear and cool, Light breeze from NNE. Barometer steady. Aneroid barometer at the close 30.04.

W.M. Simms Master

Moon 1 mid.
Dec. 15° 11' 01" N.
Phase Full moon.

Examined and found to be correct.

W. H. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Coquimbo, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNE	NNE.	1		30.16	60	55	53		boz	Cirrus	2	S	
2	"		"	"	1		30.17	60	55	53		"	"	5	"	
3	"		"	"	1		30.17	60	55	53		"	"	6	"	
4	"		"	"	1		30.17	60	55	53		"	"	5	"	
5	"		NE.	Calm	0		30.17	60	53	51		"	"	4	"	
6	"		"	"	0		30.18	60	54	52		"	"	2	S	
7	"		"	"	0		30.19	60	54	52		"	"	1	"	
8	"		"	ENE.	0-1		30.20	60	54	52		"	"	1	"	
9	"		"	Calm	0		30.21	60	54	52		"	"	2	"	
10	"		NxE	NNW	0-1		30.21	60	56	53		"	"	2	"	
11	"		"	WNW	2		30.20	60	57	53		"	"	2	"	
Noon.	"		"	"	2		30.20	60	57	53		"	"	2	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Watef during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	2200 "		
Coal consumed during the preceding 24 hours	tons 300 lbs.		
Coal remaining on hand at Noon	81 " 1257 "		

P. M.																
1	"		NNW	W.	1		30.18	61	59	53		boz	Cirrus	3	"	
2	"		NW.	NNW.	2		30.16	62	59	50		"	"	3	"	
3	"		W.	W.	2		30.15	61	58	54		"	"	2	"	
4	"		W.S.W.	WSW.	2		30.15	62	58	53		"	"	4	"	
5	"		S.W.	W	2		30.14	62	58	53		"	"	4	"	
6	"		"	"	2		30.14	62	58	53		"	"	4	"	
7	"		"	"	2		30.14	62	58	53		"	"	3	"	
8	"		"	"	2		30.14	62	58	53		"	"	2	"	
9	"		NNW	NNW.	2		30.15	62	57	53		"	"	3	"	
10	"		NNE.	NE	2		30.15	61	56	52		"	"	3	"	
11	"		"	"	2		30.15	61	56	52		"	"	3	"	
Mid.	"		"	"	2		30.15	61	54	51		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, September 2d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Hazy. Pleasant. Light airs from N.E. Aneroid 30.15.

Wainwright Kellogg
OK Lieutenant

4 to 8 AM. Hazy and pleasant. Barometer rising, Aneroid at end of watch 30.16.

Lieutenant

8 AM to Meridian. Hazy and warm. Calms and light variable airs. Went to quarters at 9.30 and inspected the crew. By order of Commanding Officer, Jas. Williams. (Jos. D.) is to have two days extra duty for insolence to Pay Clerk, and Wm. H. Needles (Y.R.S.) one days extra duty for neglecting to report the water short before 8 PM. Aneroid Barometer 30.15.

W. M. Emmons
Master

Meridian to 4 PM. Hazy and pleasant with light airs from N. and W. Sent Liberty party ashore at 1. Aneroid barometer at end of watch 30.12.

Wainwright Kellogg
OK Lieutenant

4 to 8 PM. Pleasant weather, hazy. Light airs from W. Barometer steady. Went to quarters at 5 and mustered the crew. Aneroid barometer 30.08.

W. M. Emmons
Master

8 PM to Midnight. Hazy. Pleasant. Light variable breeze Aneroid 30.06.

Wainwright Kellogg
OK Lieutenant

Moon's mid
Dec 18° 40' 46" N.
Phase. Full moon.

Examined and found to be correct.

W. T. Porter
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Coquimbo. Chile. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NE.	E.	1		30.06	58	54	51		boz	ci cumu	2	5	
2	"		"	"	1		30.03	58	54	51		"	"	4	"	
3	"		"	"	1		30.00	58	54	51		"	"	5	"	
4	"		"	"	1		29.99	58	54	51		"	"	6	"	
5	"		E	"	2		30.00	56	53	50		"	"	6	"	
6	"		ENE.	Calm	0		30.00	57	54	52		"	"	6	"	
7	"		NNE	"	0		30.05	58	54	52		"	"	6	"	
8	"		NNW	"	0		30.08	58	54	52		"	"	6	"	
9	"		NNE	"	0		30.10	58	54	52		"	"	5	"	
10	"		NE.	NE.	2		30.10	58	54	52		ocf	nimbus	0	"	
11	"		"	"	2		30.11	58	54	52		oc	"	0	"	
Noon.	"		"	"	2		30.11	58	54	52		"	"	0	"	

P. M.																
1	"		NNW.	NNW	2		30.10	58	56	52		ocdz.	Cir Cumu Cumu N nimbus	0	8	
2	"		NNW.	NNW.	2		30.10	58	56	52		"	"	0	"	
3	"		NNW.	NNW.	2		30.10	58	57	51		ocz	"	0	"	
4	"		NW.	NW.	2		30.12	58	57	51		"	"	0	"	
5	"		"	"	2		30.17	58	57	51		boz	"	3	"	
6	"		"	"	2		30.17	58	57	51		"	"	3	"	
7	"		NNW.	N	2		30.17	59	57	52		ocz	"	0	"	
8	"		NNE	NNE.	2		30.20	58	57	53		"	"	0	"	
9	"		"	"	2		30.22	58	57	53		oozp	"	0	"	
10	"		"	"	2		30.24	58	57	53		ocz	"	0	"	
11	"		"	"	2		30.25	58	57	53		boz	Cir cumu 7 nimb	2	"	
Mid.	"		"	"	2		30.25	58	57	53		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1870 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 81 " 956 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, September 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, Light breeze from E^d. Barometer falling. Clouds cirro-cumulus. Aneroid barometer 30.02.

Hal Robbins, Lieutenant

4 to 8 A.M. Cloudy and cool, threatening rain latter part, Calm, Barometer rising rapidly. Aneroid barometer at end of watch 30.06.

W. McCann Master

8 A.M. to Meridian. Cloudy, Light drizzling rain, Light breeze from N.E. Abg^n called all hands to muster and read Act for the better government of the Navy, and mustered the crew. Aneroid 30.08. Wainwright Kellogg

Lieutenant

Meridian to 4 P.M. Weather overcast cloudy and hazy. Sprinkling rain in first part of watch. Barometer steady, Clouds cirro cumulus. Stratus and nimbus. Light breeze from W.N.W. to N.N.W. A light swell coming into harbor from N^d. The English mail steamer went to sea. Aneroid bar. 30.10.

Hal Robbins, Lieutenant

4 to 8 P.M. Cloudy, Cool. Light breeze from N^d. Heavy shower of rain at end of watch. Aneroid 30.08.

Wainwright Kellogg

Lieutenant

8 P.M. to Midnight. Weather overcast and hazy in first part of watch, clearing up in latter part. Barometer rising. Light breeze from N.N.E. Clouds Cirro-cumulus, cumulus and nimbus. Aneroid Barometer 30.18.

Hal Robbins, Lieutenant

Moon's mid Examined and found to be correct.

Dec. 20° 26' 22" N

Phase Full moon.

W. F. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Coquimbo, Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.N.E.	Calm	0		30.20	59	56	52		bo	Cirrus	8	S.	
2	"		N.N.W.	N.N.W.	1		30.20	58	55	52		"	"	8	"	
3	"		N.E.	"	1		30.20	58	55	51		"	"	8	"	
4	"		S.S.E	S.S.E	1		30.20	58	54	50		"	"	8	"	
5	"		S	"	1		30.23	58	54	50		"	"	8	"	
6	"		"	"	1		30.23	58	54	50		"	"	8	"	
7	"		E	N.E.	1		30.26	59	54	50		"	"	8	"	
8	"		"	"	1		30.24	57	54	50		"	"	8	"	
9	"		N.E	"	1		30.20	58	56	52		bcz	Cirs	9	"	
10	"		"	"	0-1		30.20	58	59	54		"	"	9	"	
11	"		N.N.W.	N	0 1		30.16	59	61	55		"	"	9	"	
Noon.	"		"	"	0 1		30.12	60	61	55		"	"	9	"	

P. M.																
Anchored			S.W.×W.	S.W.	2		30.12	62	61	55		bc	Cir	9	S	
2	"		"	"	3		30.12	62	61	55		"	"	9	"	
3	"		"	W.S.W.	3		30.10	62	61	55		"	"	9	"	
4	"		"	S.W.	3		30.10	62	61	55		"	"	9	"	
5	"		W.S.W.	W.S.W.	3		30.10	63	61	55		"	"	9	"	
6	"		S.W.×W.	"	2		30.10	62	58	55		"	"	9	"	
7	"		N.N.W.	N.N.W.	1		30.10	62	58	55		"	"	9	"	
8	"		"	N.N.W.	1		30.10	60	58	55		"	"	9	"	
9	"		"	SW	0-1		30.11	60	58	54		bcz	"	9	"	
10	"		"	"	0-1		30.13	60	57	53		"	"	9	"	
11	"		"	"	0-1		30.13	59	57	53		"	"	9	"	
Mid.	"		"	"	0-1		30.12	59	57	53		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon. ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1570 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 81 " 656 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. McCormick, U. S. Navy,

Monday, September 4th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light variable airs and calms Barometer steady. Aneroid at end of watch 30.19.

Lieutenant

4 to 8 A.M. Clear and pleasant. Light variable airs. At 8. crossed royal yards and loosed sail. Aneroid 30.22.

Lieutenant

8 AM to Meridian. Weather fine. Light airs from NE to N. Barometer falling. Cirrus clouds. At 9h 30m mustered and inspected crew at quarters. Exercised 1st division at great guns, 2d division at small arms. 3d division at Gatling gun and Powder division at small arms. Thos E. Spencer, Do Mr and John A. Gibson, Lds absent from the ship without leave, and an offer of a reward of ten dollars each was sent ashore for their apprehension and delivery on board. Aneroid 30.10

Lieutenant

Meridian to 4 P.M. Clear and pleasant, Gentle breeze from SE and N, Barometer falling. Furled sail at 1.00. Aneroid at end of watch 30.05.

Lieutenant

4 to 8 PM. Weather clear and pleasant, Barometer rising. Cirrus clouds Hazy about the horizon. Light breeze from N.E. by N. At 5.15 mustered at quarters Thos E. Spencer, Mr and John A. Gibson. Lds being absent from ship without leave. At sunset sent down royal and topgallant yards and masts. Aneroid bar. 30.10

Lieutenant

8 P.M. to Midnight, Clear and pleasant, Light airs from E.N.E. Barometer steady Aneroid at end of watch 30.10.

Lieutenant

Moons l. mid. Examined and found to be correct.
Dec. 20° 49' 25" N
Phase Last quarter.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Coquimbo, Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	N.N.	0-1		30.10	60	55	53		bcy	Cirs	9	S.	
2	"		"	N.N.W.	0-1		30.10	60	55	53		"	Cir cum	8	"	
3	"		"	"	0-1		30.10	60	54	52		"	"	9	"	
4	"		"	"	0-1		30.10	60	53	51		"	"	9	"	
5	"		N.N.E.	N.N.E.	1		30.20	58	53	50		"	"	7	"	
6	"		N.E.	N.E	1		30.20	58	53	50		"	"	6	"	
7	"		E.	Calm	0		30.24	58	54	54		bc	"	8	"	
8	"		N.E.	"	0		30.24	58	56	53		"	"	7	"	
9	"		"	"	0		30.28	58	56	53		"	"	7	"	
10	"		"	"	0		30.28	58	62	57		"	"	7	"	
11	"		"	"	0		30.27	61	62	57		"	"	8	"	
Noon.	"		N.N.W	"	0		30.26	61	62	57		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 320 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1250 "

Coal consumed during the preceding 24 hours tons 3 00 lbs.

Coal remaining on hand at Noon 81 " 356 "

P. M.																
1	"		N.N.W	W.S.W.	1		30.21	62	63	56		bc	Cirs	8	S	
2	"		"	"	1		30.22	62	63	56		"	"	8	"	
3	"		W.S.W.	"	1		30.21	62	61	55		"	Cir cum	8	"	
4	"		"	"	1		30.21	62	61	55		"	"	8	"	
5	"		"	"	1		30.21	62	61	55		"	"	8	"	
6	"		S.E.	S.	2		30.21	62	61	55		"	"	8	"	
7	"		"	"	2		30.21	62	60	55		"	"	9	"	
8	"		E.N.E	"	2		30.21	62	59	55		"	"	9	"	
9	"		"	"	2		30.24	62	59	56		"	"	9	"	
10	"		"	"	2		30.26	62	59	56		"	"	9	"	
11	"		"	"	2		30.26	62	59	56		"	"	9	"	
Mid.	"		N	"	2		30.26	62	59	56		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, September 5th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool, Bright moonlight and star light, Light airs from N.W. Barometer steady. Aneroid barometer 30.10.

W. McSmin Master

4 to 8 A.M. Weather clear and pleasant, Barometer rising. Clouds cirro-cumulus Light airs from W.S.W. to N.N.W. Received on board for use of crew 102 lbs of fresh meat, 82 lbs of vegetables and 82 lbs of bread. At 8. sent up topgallant masts and topgallant and royal yards. Aneroid barometer 30.22.

Hal Hobson, Lieutenant

8 A.M. to Meridian. Weather clear and pleasant. Calm. Mustered at quarters at 9 a.m., and exercised all hands at boarding and repelling boarders. By order of Commanding Officer released Pvt. Thos. Spur. 1 ds from confinement and placed Wm. E. Pickett, 1 C.B. in solitary confinement on bread and water for five days for disobedience of orders and shirking. Aneroid at end of watch 30.20.

[illegible] Lieutenant

Meridian to 4 P.M. Pleasant weather, Light breeze from N.E. by N. Barometer falling. Enlisted for three years as landsman and rated finisher from to day, David Buckshaw. Painted Engineers room, forerun and fore hatches, Aneroid barometer at the close 30.16

W. McSmin Master

4 to 8 P.M. Weather clear and pleasant, Light variable airs. Barometer steady. Mustered at quarters at 5.15. Sent down topgallant and royal yards at sunset, Aneroid at end of watch 30.18.

[illegible] Lieutenant

8 P.M. to Midnight. Clear and pleasant, Light southerly breeze. Bright starlight, Aneroid barometer 30.22.

W. McSmin Master

Moon 1 mid. Examined and found to be correct.
Dec. 20° 12' 12" N.
Phase Last quarter.

Lieut. Com'd'g Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 16 Guns,

Off Coquimbo, Chile, S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NE	Calm	0		30.21	61	54	52		bc	cis	9	S	
2	"		"	"	0		30.23	59	54	52		"	"	8	"	
3	"		"	"	0		30.21	59	53	51		"	cir cum	7	"	
4	"		"	S.S.E.	0-1		30.20	58	53	51		"	"	7	"	
5	"		NNW.	NE.	0-1		30.21	58	52	50		"	"	6	"	
6	"		"	"	0-1		30.22	58	52	50		"	"	5	"	
7	"		"	"	0-1		30.24	57	53	51		"	cis cum + cum	4	"	
8	"		"	"	0-1		30.25	57	53	51		"	"	4	"	
9	"		"	Calm	0		30.25	57	56	54		"	"	4	"	
10	"		"	"	0		30.28	58	58	55		"	"	7	"	
11	"		SW. & W.	WSW.	2		30.28	60	59	57		"	"	9	"	
Noon.	"		"	"	2		30.27	60	60	54		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 920 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 81 " 07 "

P. M.															
1	"		WSW	WSW	2		30.21	61	50	54		bc	cir cum + cum	9	S	
2	"		"	"	6		30.21	61	50	54		"	"	9	"	
3	"		SW.	SW.	6		30.23	61	50	54		"	"	9	"	
4	"		"	"	6		30.22	61	50	52		"	"	9	"	
5	"		WSW.	WSW.	3		30.22	64	62	56		"	Cir cum	8	"	
6	"		"	"	3		30.22	64	61	56		"	"	8	"	
7	"		NE	SE	1		30.25	63	59	56		"	"	8	"	
8	"		"	"	0-1		30.27	62	59	56		"	Cir	9	"	
9	"		"	NE.	1		30.25	63	58	56		bcz	"	9	"	
10	"		NNE	"	1		30.21	63	58	55		"	"	9	"	
11	"		SSE	SSE.	1		30.21	62	59	55		"	"	9	"	
Mid.	"		ENE	Calm	0		30.20	60	56	54		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, September 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Calm, Bright starlight Aneroid 30.18.

Wainwright Kellogg
for Lieutenant

4 to 8 A.M. Weather partly cloudy and pleasant, Light airs and calms. Barometer rising. Crossed light yards and loosed sail at 8. Aneroid at end of watch 30.23.

Lieutenant

8 A.M. to Midnight. Clear and warm, Calm first two hours. Light breeze from W.S.W. latter part, Barometer rising slowly. Went to quarters at 9.30 and inspected the crew. Exercised 1st division at small arms. 2d division at great guns, 3d division at single sticks and Powder division at passing ammunition. By order of Cond'g Officer, Wm Simpson 1 CB is to have five days solitary confinement on bread and water for bringing liquor into ship's boat, and refusing to throw it overboard when ordered. Hoisted boiler into steam cutter. Aneroid barometer 30.21.

W. McCormick
Master

Midnight to 4 P.M. Cool and clear Stiff breeze from S.W. Furled sail at 1 P.M. Sent liberty party ashore, Started fires under two boilers at 2.00 for distilling fresh water. Aneroid 30.20.

Wainwright Kellogg
for Lieutenant

4 to 8 P.M. Pleasant weather. Moderate breeze from W.S.W. shifting to S.E. and dying away. Went to quarters at 5.15 and mustered the crew. Served out clean hammocks. Got up hammock girtlines and sent down royal yards at sunset, Aneroid barometer at close 30.20. Commenced distilling fresh water.

W. McCormick
Master

8 P.M. to Midnight. Hazy pleasant, Light variable airs and calms, Aneroid 30.20. Distilling.

Wainwright Kellogg
for Lieutenant

Moon's mid
Dec. 18° 36' 28" N
Phase Last quarter

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNE.	Calm	0		30.21	60	56	54		bcz	circum	9	S	.
2	"		"	"	0		30.21	60	56	54		"	"	9	"	
3	"		"	"	0		30.17	59	56	54		"	"	9	"	
4	"		"	"	0		30.17	59	56	54		bf	—	10	"	
5	"		NbE.	ESE	0-1		30.14	58	53	51		"	—	10	"	
6	"		"	"	0-1		30.14	59	54	52		bc	circum	7	"	
7	"		"	Calm	0		30.14	59	55	53		bcz	cir	8	"	
8	"		"	"	0		30.14	59	56	54		"	"	8	"	
9	"		NNE.	NE	0-1		30.14	59	56	54		"	"	8	"	
10	"		"	"	0-1		30.14	59	58	55		"	"	8	"	
11	"		"	Calm	0		30.15	61	61	57		"	circum	7	"	
Noon.	"		"	"	0		30.11	61	61	57		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water distilled during the preceding 24 hours — 300 "

Water remaining on hand fit for use at Noon — 890 "

Coal consumed during the preceding 24 hours — 3 tons 380 lbs.

Coal remaining on hand at Noon — 77 " 1916 "

P. M.																
Anchored			NNW.	NNW	1		30.08	64	66	59		bc	circus	8	b	
2	"		NNE.	NNE.	1		30.06	64	67	61		"	"	9	"	
3	"		"	"	1		30.04	65	64	59		"	"	9	"	
4	"		"	NNW.	1		30.00	64	63	59		"	"	7	"	
5	"		N×E.	"	1		30.01	64	63	59		"	"	7	"	
6	"		"	"	1		30.01	65	63	59		"	"	7	"	
7	"		"	"	1		30.01	66	63	59		"	"	7	"	
8	"		ENE.	ENE.	1		30.02	65	63	59		"	"	7	"	
9	"		"	NE×E.	1		30.02	64	61	58		bz		10	"	
10	"		NE.	"	1		30.02	64	60	56		"		10	"	
11	"		"	NNE	1		30.02	63	59	56		"		10	"	
Mid.	"		"	S.S.E	1		30.02	62	58	55		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday September 7th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Weather pleasant, though hazy and in last hour of watch foggy. Calm, Barometer falling. Distilling water. Aneroid barometer 30.15

Ward Wilson Lieutenant

4 to 8 AM Foggy first part, cloudy and hazy latter part. Very light airs from E.S.E. and Calms. Scrubbed hammocks. Aneroid bar. at the close 30.11.

W. Wilson Master

8 AM to Meridian. Hazy, pleast. Light variable airs and calms. At 9.30 mustered at quarters. Exercised first and powder divisions at single sticks. Second at small arms, third at great guns, marines at small arms. Aneroid barometer 30.09.

Wainwright Kellogg

act Lieutenant

Meridian to 4 PM Clear and pleasant weather. Light breeze from W.N.W to N.N.E. Barometer falling. Cirrus clouds. Distilling water. At 3.30 mustered at quarters and turned in clean hammocks. Aneroid bar. 29.97.

Ward Wilson Lieutenant

4 to 8 PM Hazy. Pleasant. Light breeze from N.N.W. At sunset sent down top gallant yards. Aneroid 30.00.

Wainwright Kellogg

act Lieutenant

8 PM to Midnight. Weather pleasant. Light airs from E.N.E. to N.N.E. Barometer rising. Heavy dew falling. Hazy about the horizon. Distilling water. Aneroid barometer 30.00.

Ward Wilson Lieutenant

We recommend that Louis Deistel, 'C.' be rated 2d Mr.
John P. Whitcomb 'Cox' be rated 2d Mr. Chas Carter.
Sea be rated Captain of Top and Alexdr McLean.
Sea be rated Coxn.

W. Wilson Lieut
W. T. Parker Lieut
Wainwright Kellogg Lieut
} Permanent board.

U.S.S. "Essex." 3d Rate
September 7th 1882.

Moon's mid Examined and found to be correct.
Dec. 16° 10' 30" N
Phase, Last quarter

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Off Coquimbo, Chili, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ENE.	NE.	1		30.00	63	56	54		bcz	cir.cum	11	8	
2	"		NNE.	NNE.	1		29.97	63	57	55		"	"	5	"	
3	"		"	NNW.	1		29.96	63	57	54		ooz	"	0	"	
4	"		ENE.	ENE.	1		29.97	61	56	54		"	"	0	"	
5	"		"	"	1		29.98	61	56	54		ocf	"	0	"	
6	"		"	"	1		29.98	61	56	54		"	"	0	"	
7	"		"	"	1		30.01	61	56	54		"	"	0	"	
8	"		"	"	1		30.04	61	56	54		"	"	0	"	
9	"		NNE.	NNE	1		30.08	62	54	53		"	Cumnimb	0	"	
10	"		NW	NW.	1		30.12	64	56	54		bcz	"	3	"	
11	"		"	"	2		30.14	68	67	52		"	"	2	"	
Noon.	"		"	"	2		30.15	65	58	55		"	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water distilled during the preceding 24 hours 2410 "

Water remaining on hand fit for use at Noon 3000 "

Coal consumed during the preceding 24 hours 2 tons 220 lbs.

Coal remaining on hand at Noon 75 " 1696 "

P. M.															
Anchored		NW.	NW.	2	30.15	65	58	55	bcm	Cum & cumb	3	mf	
2	"	"	"	2	30.14	64	59	56	"	cir cum	6	"	
3	"	"	"	1	30.14	64	59	56	"	"	8	8	
4	"	"	"	1	30.14	64	59	56	"	"	8	"	
5	"	NNW.	WSW	1	30.15	64	63	58	bcz	"	8	"	
6	"	SSE.	S.	1	30.14	64	60	56	"	"	8	"	
7	"	ENE.	NE.	1	30.15	64	61	57	ocz	"	0	"	
8	"	ESE.	SE.	1	30.15	64	60	57	"	"	0	"	
9	"	"	Calm	0	30.17	64	59	56	"	cir cum	0	"	
10	"	"	"	0	30.17	64	60	57	"	"	0	"	
11	"	"	SE.	0-1	30.17	64	60	57	"	"	0	"	
Mid.	"	E	"	0-1	30.17	64	60	57	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. September 8th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Calm first part of watch; overcast latter part. Light variable airs. Barometer falling. Distilling. Aneroid at end of watch 29.98

Lieutenant

4 to 8 A.M. Hazy. Light airs from E.N.E. At 5. exercised to pr gallant yards. Aneroid 30.02.

Lieutenant

8 A.M. to Meridian. Weather foggy, hazy and cloudy but not unpleasant. Light breeze from N.N.E. to N.W. Barometer rising. Cumulus and nimbus clouds. Distilling fresh water up to 11.30. when the fires were ordered hauled. An English mail steamer came in and went out again during the watch. At 9.30 exercised at fire quarters. Wm H. Warner 'Lds' and Oscar Kelchner 'Pot M' absent from the ship without leave and an offer of a reward of ten dollars ($10.00) each has been sent ashore for their arrest and delivery on board. Aneroid barometer 30.10.

Lieutenant

Meridian to 4 P.M. Clear and pleasant. Light airs from N.W. Barometer steady. Offered a reward of twenty dollars for the apprehension, and delivery on board of W. J. Bennett. Pay Yeo: absent without leave. Aneroid bar. at end of watch 30.08.

Lieutenant

4 to 8 P.M. Weather pleasant. Light airs from W.S.W. to N.E. Barometer steady. Clouds cirro-cumulus and cumulus. W. J. Bennett, 'Pay Yeo' returned to ship. Mustered at quarters at 5.15. Sent down topgallant yards at sunset. A Chilian steamer went to sea, dipping her colors as she passed us. which compliment was returned in kind. Aneroid barometer 30.10.

Lieutenant

8 P.M. to Midnight. Weather overcast. Calm. Barometer steady. Aneroid at end of watch 30.12.

Lieutenant

We recommend that Henry Marshall. 'Os.' be rated Seaman.

W. I. Mackenzie Lieut
W. T. Parker Lieut } Permt board
Wm Winslow Kellogg Lieut

U.S.S. Essex. 3d Rate.
Sept 8. 1882.

Middle mid
Dec 13° 50' 00" N
Phase. Last quarter

Examined and found to be correct.

W. T. Parker
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Poquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			E.	S.E.	1		30.17	62	60	57		ocm	circum	0	8	
2	"		"	"	1		30.17	62	60	57		"	"	0	"	
3	"		"	"	1		30.17	62	60	57		"	"	0	"	
4	"		"	"	1		30.17	62	68	55		ocq	"	0	"	
5	"		E.N.E.	N.E.	1		30.17	62	55	55		"	"	0	"	
6	"		E.	S.E	1		30.17	62	53	53		"	"	0	"	
7	"		E.N.E.	N.E.	1		30.20	60	57	55		"	"	0	"	
8	"		"	S.E.	1		30.20	60	57	54		"	"	0	"	
9	"		"	Calm	0		30.20	60	58	55		bcm	cumm nimb	2	"	
10	"		"	"	0		30.20	60	59	56		"	"	4	"	
11	"		W.S.W.	W.N.W.	1		30.18	60	59	55		"	circum	6	"	
Noon.	"		"	W.S.W.	1		30.16	60	59	55		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observations at Noon ⊙ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ′ — ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ⊙ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 315 gallons.

Water ——— during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2685 "

Coal consumed during the preceding 24 hours — tons 800 lbs.

Coal remaining on hand at Noon — 75 " 896 "

P. M.																
1	"		W.N.W.	N.W.	1		30.15	65	61	56		bcm	circum	7	8	
2	"		"	"	1		30.15	65	61	56		"	"	7	"	
3	"		"	N.N.E	0-1		30.15	65	61	57		"	"	7	"	
4	"		N.N.E	"	1		30.15	64	61	57		"	"	7	"	
5	"		"	"	1		30.15	64	61	57		"	"	7	"	
6	"		"	"	1		30.15	65	61	57		"	"	7	"	
7	"		"	"	1		30.15	65	61	57		"	"	7	"	
8	"		"	"	1		30.15	65	61	57		"	"	7	"	
9	"		N.E+N	W.N.W.	1		30.15	65	61	57		bm	—	10	"	
10	"		"	"	1		30.15	65	59	55		"	—	10	"	
11	"		"	"	0-1		30.15	65	58	54		"	—	10	"	
Mid.	"		N.N.E.	N.E	0-1		30.15	65	57	54		"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ′ — ″

Longitude by Chronometer from Observations * — ° — ′ — ″

Variation of the Compass by Amplitude observed at Sunset — ° — ′ — ″

Variation of the Compass by at — ° — ′ — ″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. September 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Overcast and cloudy. Light airs from S.E. Barometer steady. Aneroid barometer at the close of watch 30.10.

W. McCormick Master

4 to 8 A.M. Weather overcast, cloudy and hazy, but not unpleasant. Barometer rising. Clouds cirro-cumulus. Light breeze from N.E. to S.E. The English Str. "Britannia" went to sea. Aneroid barometer 30.17.

H. [illegible] Lieutenant

8 A.M. to Meridian. Weather clear and pleasant. Light variable airs and calms. Barometer steady. Mustered at quarters at 9.30. Chas. A. Lindner, "O.S.2" absent without leave. Aneroid at end of watch 30.14.

[illegible] Lieutenant

Meridian to 4 P.M. Hazy and warm. Light breeze from N.W. shifting to N.N.E. Barometer steady. A Chilian steamer came in from the N. and an English steamer left the harbor. Sent a liberty party ashore. Aneroid barometer at the close 30.09.

W. McCormick

Master

4 to 8 P.M. Weather clear and pleasant. Light airs from N.N.E. Barometer steady. Mustered at quarters at 5.15, Got in Steam Cutter. Aneroid barometer at end of watch 30.09.

[illegible] Lieutenant

8 P.M. to Midnight. Sky cloudless, bright starlight. Light airs from N.N.W. Barometer steady. Aneroid barometer 30.09.

W. McCormick Master

Moon 1 min d. Examined and found to be correct.
Dec. 9° 28' 55" N.
Phase. Last quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Coquimbo, Chili S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	NNE.		NNE	0-1		30.12	63	56	54		bm		10	S	
2	"		"	"	0-1		30.10	63	55	53		"		10	"	
3	"		"	"	0-1		30.08	62	54	52		"		10	"	
4	"		"	"	0-1		30.06	62	54	52		"		10	"	
5	"		"	"	0-1		30.06	60	54	52		bf		10	"	
6	"		"	"	0-1		30.08	60	54	52		"		10	"	
7	"		NE	Calm	0		30.09	60	54	52		"		10	"	
8	"		"	"	0		30.10	60	54	52		"		10	"	
9	"		"	"	0		30.10	60	59	56		bm		10	"	
10	"		NNW.	NNW	0-1		30.12	61	60	56		"		10	"	
11	"		"	"	1		30.12	61	60	56		"		10	"	
Noon.	"		"	"	1		30.10	64	60	56		"		10	"	

P. M.																
1	"		NNW	NNW.	1		30.08	62	62	57		bm		10	S	
2	"		"	"	1		30.06	64	65	58		"		10	"	
3	"		"	"	1		30.05	66	64	58		"		10	"	
4	"		NE.	NNE	1		30.05	64	62	58		"		10	"	
5	"		"	"	1		30.08	64	62	58		"		10	"	
6	"		"	"	1		30.08	63	62	58		"		10	"	
7	"		"	"	2		30.08	63	62	58		"		10	"	
8	"		"	"	2		30.10	64	62	58		"		10	"	
9	"		E.NE.	Calm	0		30.10	64	60	56		"		10	"	
10	"		"	"	0		30.10	62	60	56		"		10	"	
11	"		"	S.W.	0-1		30.09	62	59	56		"		10	"	
Mid.	"		NNE	"	1		30.09	61	58	55		bcmo	nimb	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2370 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 75 " 596 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' ".

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, September 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, Cool, Light airs from E.N.E. Aneroid barometer 30.04.

Wainwright-Kellogg
Lieutenant

4 to 8 A.M. Clear and pleasant, Light fog. Light airs from N^d and E^d and calms. Barometer rising. Aneroid at end of watch 30.16.

Lieutenant

8 A.M. to Meridian. Hazy and warm. Calms and light airs from N.N.W. Barometer steady. Went to quarters at 9.30. Comdg Officer inspected the ship and crew. Thos. E. Spencer, Dr. Mr. John A. Gibson, 1 Class Chas. A. Lindner, (O 2 Class) and Oscar Kilchner, (Pvt. Marine) absent from the ship without leave. Aneroid barometer at the close 30.04.

Master.

Meridian to 4 P.M. Clear and pleasant, Light airs from N^d and W^d. Barometer falling. An English mail steamer arrived from the N^d at 12.30. and one from the S^d at 2 P.M. Aneroid at end of watch 30.02.

Wainwright-Kellogg Lieutenant

4 to 8 P.M. Cloudless sky, bright starlight latter part, Light breeze from N.N.E. Barometer steady. Aneroid barometer 30.08.

Master

8 P.M. to Midnight. Hazy. Pleasant. Light variable airs and calms. Aneroid 30.08.

Wainwright-Kellogg
Lieutenant

Moon's mid
Dec. 5° 32' 02" N
Phase Last quarter

Examined and found to be correct.

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNE	NNE.	1		30.08	62	57	55		bcz	cir cum	6	8	
2	"		NW	NW.	2		30.08	61	57	55		"	"	5	"	
3	"		"	"	2		30.08	61	56	54		"	"	5	"	
4	"		"	"	2		30.08	61	56	54		"	"	3	"	
5	"		"	"	2		30.08	60	56	54		"	"	3	"	
6	"		NE.	Calm.	0		30.08	60	56	54		"	"	3	"	
7	"		"	SW.	1		30.10	60	56	54		ocm	"	0	"	
8	"		"	"	1		30.11	60	56	54		"	"	0	"	
9	"		"	"	1		30.11	60	56	54		"	"	0	"	
10	"		WSW.	WNW.	1		30.11	60	57	54		bcm	cir cum	4	"	
11	"		"	NW.	1		30.11	62	59	56		bcm	"	6	"	
Noon.	"		WNW.	"	1		30.12	62	59	56		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1975 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 75 " 296 "

P. M.																
1	"		NNW.	NNW.	1		30.13	62	59	56		bcz	cir cum	6	8	
2	"		"	"	1		30.13	63	61	57		"	"	6	"	
3	"		N.	NNE.	1		30.13	63	61	57		"	"	6	"	
4	"		"	"	1		30.13	63	61	57		"	"	6	"	
5	"		"	"	1		30.13	63	61	57		"	"	6	"	
6	"		"	"	1		30.12	63	61	57		"	"	6	"	
7	"		"	"	1		30.13	63	61	57		"	"	6	"	
8	"		"	"	1		30.13	63	61	57		"	"	6	"	
9	"		NW.	W.	0-1		30.14	63	57	55		"	"	6	"	
10	"		"	"	0-1		30.16	63	57	55		"	"	6	"	
11	"		SSE.	"	0-1		30.16	62	57	55		"	"	5	"	
Mid.	"		"	NNE	0-1		30.16	62	57	55		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, September 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 4 A.M. Weather pleasant. Light breeze from N.N.E. to N.W. Clouds cirro-cumulus and cumulus. Barometer steady. Aneroid barometer 30.05.

Ward Norton, Lieutenant

4 to 8. Cloudy and hazy. Light breezes from N.W. and calm. Barometer steady. At 6. A.M.S. "Nutina" got underway and left the harbor heading to the S., Aneroid barometer 30.06.

W.M. Swinburne
WMS Lieutenant

8 A.M. to Meridian. Hazy. Warm. Light variable breezes. At 9.30 inspected and mustered at quarters. Exercised 1st Division at great guns. 2d at single sticks. Powder and 3d at small arms; Marines & infantry. By order of Commanding Officer John A. Gibson, (Gds.) and Thos. E. Spencer Dr. Mrs. were declared deserters from the ship and the naval service having been absent without leave since Sept 4th inst, with a manifest intention not to return. Received an official visit from the Commanding Officer of H.B.M.S. "Swiftsure" Aneroid 30.10. Henry Cader, U.M. returned to the ship.

Wainwright Kellogg
WK Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Barometer steady at 30.13. Cirro-cumulus clouds. Light breeze from N.N.W. to N.N.E. Hazy about the horizon. Aneroid barometer 30.09.

Ward Norton, Lieutenant

4 to 8 P.M. Hazy. Pleasant. Light breeze from N.N.E. At 5th mustered at quarters. Secured battery for sea. Made preparations for sea, Aneroid 30.10.

Wainwright Kellogg
WK Lieutenant

8 P.M. to Midnight. Weather clear and pleasant. Light breeze from W. to N.N.E. Barometer rising. Clouds cirro cumulus. Hazy about the horizon. Aneroid barometer 30.09.

Ward Norton, Lieutenant

Moon's mid Examined and found to be correct.
Dec 1° 24' 10" N.
Phase Last quarter

W. T. Parker
Lieutenant Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Off Coquimbo. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.NE	E.NE	0-1		30.11	62	57	55		oc m	Cir cumm & cumm	0	S	
2	"		"	"	1		30.11	62	56	54		"	"	0	"	
3	"		"	"	1		30.10	61	56	54		"	"	0	"	
4	"		"	"	0-1		30.10	61	56	54		"	"	0	"	
5	"		"	"	0-1		30.09	61	56	54		"	"	0	"	
6	"		E.	E.S.E	0-1		30.09	61	56	54		"	"	0	"	
29° S 71° W 27' 7	2	0	S.W.	W.	2		30.11	62	56	54	56	"	"	0	"	Steam alone
8	7	11	"	S.W.	3		30.12	61	56	54	56	"	"	0	"	
9	7	0	"	S.S.W.	3		30.13	60	56	53	56	oc	Cumm Numb	0	"	
10	7	5	"	S.	4		30.15	60	55	54	56	"	"	0	"	set jib. fore topsl staysail main trysail & spanker
11	7	5	"	"	3		30.15	59	55	54	56	"	"	0	"	took in jib. fore topsl stay'l
Noon.	3 0 4 0	0	S+E 3/4 E	"	3		30.13	58	56	54	56	"	"	0	"	Main trysail & spanker

Distance run by Log since preceding Noon	38 knots 4 ~~fathoms~~	
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	36° 20′ 24″ S′	
Latitude by Observations at Noon ⊙	71° 59′ 45″ W	
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Squan Current during the time knots fms. per hour, setting to the		
349 Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	336 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	1640 "	
Coal consumed during the preceding 24 hours	6 tons 860 lbs.	
Coal remaining on hand at Noon	68 " 1676 "	

P. M.															
1	6	6	S+E 3/4 E.	S	3		30.14	59	56	54	56	oc	Cumm Nimb	0	S	
2	6	8	"	"	3		30.12	59	57	54	56	"	"	0	"	
3	7	0	"	"	3		30.10	59	57	54	56	"	"	0	"	
4	7	0	"	"	3		30.10	59	57	54	56	"	"	0	"	
5	7	5	"	"	4		30.10	59	57	54	56	"	Cum strat Cir Cumm & Cumm	0	"	
6	7	5	"	"	4		30.10	59	58	54	56	bc	Cumm strat & Cir Cumm	2	"	
7	7	6	"	"	4		30.12	61	57	54	56	"	"	2	"	
S 31° 25′ W 71° 53 8	7	5	"	"	4		30.12	61	57	54	55	"	"	5	"	
9	7	8	"	"	4		30.14	62	57	54	55	"	Cir Cumm	6	W	
10	8	0	"	"	4		30.14	62	57	54	55	"	"	6	"	
11	8	2	"	"	4		30.14	62	57	54	55	"	"	6	"	
Mid.	8	0	"	"	4		30.13	62	57	54	55	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, September 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast. Light airs from E.N.E. Barometer steady. Started fires under six boilers at 2.30. Aneroid at end of watch 30.09.

[redacted] Lieutenant

4 to 8 A.M. Hazy. Pleasant. Light variable airs. At 5.55 called all hands up anchor; hove up starboard anchor and stood out of Coquimbo Harbor under steam (6 boilers.) At 6.44 took departure Pajaros Rock bore (pc) N.W. 1/8 mile distant. Ships head S.W. Set course N.W. Patent Log read 91.1 miles Ships draft 11.3 fwd. 13ft aft. Standing down the coast under six boilers. By order of Comdg Officer confined W.R. Nudles, (WRS) for safe keeping for drunkenness Patent log at end of watch 101 1/2 miles. Aneroid 30.11.

[redacted] Lieutenant

8 A.M. to Meridian. Weather overcast and cloudy but not unpleasant. Barometer steady. Gentle to moderate breeze from S. to S.S.W. Mustered and inspected Crew at quarters at 9.15. Exercised 1st division at Artillery 2d at small arms. 3d and Powder at single sticks. Under steam pressure 46 lbs and 50 revolutions. At 9.50 set fore and aft sail and at 11.35 took it in, at which time changed course, by order of Commanding Officer to S by E. 3/4 E. Aneroid barometer 30.12. Passed a sail on our port bow standing to N.

Ned Walker, Lieutenant

Meridian to 4 P.M. Weather overcast and cool. Barometer falling. Gentle breeze and long swell from S., Steering a course S by E 3/4 E. Steam pressure 58 lbs. Revolutions 53. Aneroid at end of watch 30.10.

[redacted] Lieutenant

4 to 8 P.M. Weather pleasant though cloudy in first part of watch Gentle to moderate breeze from S. Sea smooth, ship pitching easily to a swell from S.S.W. Clouds cirro-cumulus, cumulo-stratus and cumulus. Barometer rising. Under steam pressure 56 lbs and 52 revolutions. Aneroid barometer 30.11.

Ned Walker, Lieutenant

8 P.M. to Midnight. Cloudy and pleasant. Gentle breeze from S. Barometer rising. Steering a course S by E 3/4 E. Steam pressure 57 lbs Revolutions 54. Aneroid at end of watch 30.12. Patent log registered 33 miles.

[redacted] Lieutenant

Moon's mid Dec. 2° 46' 13" S Phase New moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Coquimbo to Valparaiso. Chile.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	11	S+E 3/4 E	S.	2		30.13	61	57	54	53	bc	Ci cumu	6	M	Steam.
2	8	2	"	"	2		30.13	61	57	54	55	"	"	6	"	
3	8	2	"	"	2		30.13	59	57	54	56	"	"	6	"	
4	8	2	"	"	2		30.13	59	57	54	56	"	"	6	"	
5	7	5	"	"	2		30.13	59	57	54	56	oc	Ci cumu / Cumu	0	S.	
6	3 / 3	5 / 0	" / E	"	2		30.14	59	57	54	56	"	"	0	"	
7	6	5 / 5	S+E / S+E 1/2 E	"	2		30.16	59	56	53	56	"	"	0	"	
33° 02' S 71° 37' W	Anchored			"	1		30.17	59	56	53		"	"	0	"	
9	"		N N W.	W. S. W.	2		30.20	61	57	54		oc m	"	0	"	
10	"		W. N W.	"	2		30.20	61	58	55		"	"	0	"	
11	"		W. S. W.	"	2		30.20	60	58	55		bc	Ci cumu	11	"	
Noon.	"		S. W.	"	2		30.20	63	59	55		"	"	6	"	

Distance run by Log since preceding Noon 144 knots 5 fathoms

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1305. "

Coal consumed during the preceding 24 hours 14 tons 340 lbs.

Coal remaining on hand at Noon 54 " 1330 "

P. M.															
1	"		S. S. W.	S. W.	2		30.18	64	60	56		bc	Ci cumu	3	S.
2	"		"	"	2		30.17	64	60	56		"	"	3	"
3	"		"	"	2		30.16	64	60	56		"	"	3	"
4	"		"	"	1		30.15	64	60	56		"	Ci cumu / Cumu	1	"
5	"		E	"	1		30.21	69	60	56		"	"	2	"
6	"		"	"	1		30.28	75	60	56		"	"	2	"
7	"		"	"	1		30.28	70	60	56		"	"	2	"
8	"		N N E	N	1		30.27	67	59	56		oc m	"	0	"
9	"		N E.	N N E	1		30.26	65	59	55		"	"	0	"
10	"		N N E	"	1		30.25	64	59	55		"	"	0	"
11	"		"	"	1		30.25	64	59	55		bcz	"	3	"
Mid.	"		E N E	S. E	1		30.26	64	59	55		"	"	3	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. N. McCormick, U. S. Navy,

Wednesday, September 13th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool. Light breeze from S^d. Barometer steady. Aneroid bar. 30.12. Steam 57 lbs. Revls. 51. Patent log 6 7/12.

W.W. Smith Master

4 to 8 A.M. Weather overcast and cloudy but not unpleasant. Barometer rising. Light to moderate breeze from S. At 6.10 sighted land on port bow and beam and gradually the land uncovered ahead and to about two points on starboard bow. Several sail and steamers in sight, standing in toward the port. At 7.10 called "All hands bring ship to Anchor" and came to at 7.50 in 37 fathoms of water with the starboard anchor, veering to 90 fathoms of chain. The Health Officer came alongside and accorded pratique. Bearings of anchorage are. Baja Rock N 74 W 1/2 W Fort Despres S.S.W. 1/2 W. Ships head being S. Aneroid barometer 30.15. Draft of water 15 ft. forward 17 ft. aft.

Ward Robinson U.S.N. Lieutenant.

8 A.M. to Meridian. Weather cloudy and pleasant. Light breeze from S^e and W^d Barometer steady. An officer from the Chilian Flagship and an officer from the Italian man of war in the harbor visited the ship with the usual offers of civilities. Mustered at quarters at 9.30. Hauled fires except under two forward port boilers. Commenced distilling. Sent an officer to call on American Consul and offer passage to the ship. An officer visited the Italian and Chilian men of war to return the thanks of the Comdg Officer for official courtesies. Aneroid barometer at end of watch 30.14. By order of Comdg Officer placed Wm H. Needles. W.R. Stwd. in double irons for five days for drunkenness.

Ward Robinson U.S.N. Lieutenant

Meridian to 4 P.M. Pleasant weather. Light breeze from S.W. Barometer steady. Distilling fresh water. Got main deck and quarter deck awnings on a stretch. Aneroid barometer at the close 30.19

W.W. Smith Master

4 to 8 P.M. Cloudy and pleasant. Light airs from S.W. Barometer rising. Mustered at quarters at 5.15. Distilling. Aneroid at end of watch 30.20.

Ward Robinson U.S.N. Lieutenant

8 P.M. to Midnight. Overcast, cloudy and misty. Light breeze from N.W. & S. Barometer steady. Distilling. Aneroid barometer 30.20.

W.W. Smith Master

Moon's mid Dec 6° 51' 16" S. Phase New moon.

Examined and found to be correct.

W. T. Barker Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N & E	Calm	0		30.28	64	58	54		bc	circum	5	8	
2	"		N N.	N N.	1		30.27	64	57	53		"	"	6	"	
3	"		"	"	0-1		30.27	63	56	52		"	cir	8	"	
4	"		"	"	0-1		30.27	62	56	52		b		10	"	
5	"		"	"	0-1		30.29	61	56	52		"		10	"	
6	"		"	"	0-1		30.29	61	56	52		bc	circum	8	"	
7	"		"	"	0-1		30.29	61	56	52		"	"	8	"	
8	"		"	"	0-1		30.29	61	56	52		"	"	8	"	
9	"		N N & N	"	0-1		30.29	61	59	55		b		10	"	
10	"		"	"	0-1		30.28	63	62	56		"		10	"	
11	"		N N	N	0-1		30.27	63	65	58		bc	circum	9	"	
Noon.	"		"	"	0-1		30.27	63	65	58		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	2085	"	
Water remaining on hand fit for use at Noon	3000	"	
Coal consumed during the preceding 24 hours	1 tons	1460	lbs.
Coal remaining on hand at Noon	52 "	2116	"

P. M.																
1	"		S E & S	S.	1		30.25	66	68	59		bc	circum	9	8	
2	"		"	S. S E.	1		30.23	66	68	59		b		10	"	
3	"		"	S	2		30.20	66	68	59		"		10	"	
4	"		S.	S. S. W.	3		30.20	69	66	58		"		10	"	
5	"		"	S	4		30.19	69	65	57		bc	cir	9	"	
6	"		"	"	3-4		30.19	68	64	56		"	"	8	"	
7	"		S. S. E.	S. E	2		30.19	68	63	56		b		10	"	
8	"		"	"	1		30.19	68	63	56		"		10	"	
9	"		N	N N W	1-3		30.19	65	62	56		"		10	"	
10	"		"	"	1		30.19	64	62	56		bc	cir	9	"	
11	"		N & N.	"	1		30.19	64	60	55		"	"	9	"	
Mid.	"		"	"	1		30.19	64	60	55		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, September 14th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Calms and light airs from N.W. Distilling. Aneroid 30.20.

Wainwright Kellogg Lieutenant

4 to 8 A.M. Weather clear and pleasant. Light airs from N.W. Barometer steady. Wm. E. Pickett. (CB) left the boat without permission and remained ashore. Stopped distilling and hauled fires. Aneroid at end of watch 30.24.

Lieutenant

8 A.M. to Meridian. Clear and warm. Light breeze from N.W. hauling to W. Went to quarters at 9.30 and inspected the crew. Exercised 1st and 3d divisions at single sticks, 2d division at small arms and Powder division at passing powder. By order of Commanding Officer Wm. Carvallier, OS2 was given seven days extra duty for disobedience of orders and Jas. H. Berry OS2 five days extra duty for skulking. U.S. Vice-Consul visited the ship and was received with the customary honors.

Masters

Meridian to 4 P.M. Clear and pleasant with strong breeze from S.W. Barometer falling. Received official visits from the Commanding Officer of the Italian man of war from the Commanding Officer of H.B.M.S. "Mutine" and from the Chilian Commodore. An English mail steamer left the harbor. Received on board in Navigations Department three barrels of Spermaceti. Aneroid at end of watch 30.12

Wainwright Kellogg Lieutenant

4 to 8 P.M. Pleasant weather, bright starlight latter part. Moderate breeze from S.W., hauling to S.E. and decreasing in force. Barometer steady. At sunset sent down topgallant and boyde yards. Aneroid barometer at the close 30.12.

Masters

8 P.M. to Midnight. Clear and pleasant, Light airs from N.N.W. Bright starlight, Aneroid 30.13.

Wainwright Kellogg Lieutenant

Moon's mid Examined and found to be correct.
Dec 10° 22' 46" S.
Phase New moon

W. W. Parker
Lieutenant U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex." , 3d Rate, 6 Guns,

Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NW×N	NNW	2		30.17	63	58	53		bc	cirs	9	S	
2	"		NNW.	NW.	1		30.15	63	58	53		"	"	9	"	
3	"		NW×N	WNW.	1		30.13	63	57	53		"	"	9	"	
4	"		NW×N	NW.	1		30.13	63	56	52		"	"	9	"	
5	"		NW	WSW.	1		30.12	61	57	52		"	"	9	"	
6	"		"	"	1		30.15	61	57	52		"	cir str	8	"	
7	"		"	"	0-1		30.17	61	57	53		"	cir	9	"	
8	"		"	"	0-1		30.18	63	53	53		"	"	9	"	
9	"		"	"	0-1		30.18	63	59	56		"	"	9	"	
10	"		SW×W.	SW×W	3		30.16	63	59	54		"	"	9	"	
11	"		"	"	3		30.16	63	59	54		"	"	9	"	
Noon.	"		"	"	3		30.16	63	59	54		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 3650 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 52 " 1816 "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	"		S.W.	S.W.	3-4		30.16	63	62	54		bc		10	S.	
2	"		"	W.	3-4		30.16	64	62	55		"		10	"	
3	"		"	"	3-4		30.15	64	62	55		"		10	"	
4	"		"	WSW.	3-4		30.14	65	65	53		"		10	"	
5	"		SSW	SW	4		30.15	66	65	59		"		10	"	
6	"		SW×W	WSW.	4		30.15	65	63	54		"		10	"	
7	"		S.	SE.	3-4		30.16	66	63	53		bc	cir	8	"	
8	"		SE×S.	"	3		30.15	65	63	54		"	"	8	"	
9	"		S	S	3		30.15	61	63	54		bc		10	"	
10	"		"	"	3		30.15	61	63	54		"		10	"	
11	"		"	"	3		30.15	61	61	52		"		10	"	
Mid.	"		NE×E	NE×E.	3		30.17	61	61	52		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, September 15th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant weather. Light airs from N N W to W. N W. Barometer falling. Aneroid barometer 30.09.

Hart Wilbur, Lieutenant

4 to 8 A.M. Clear and pleasant, Light breeze from W.S.W. Barometer rising slowly. Crossed topgallant yards at 8. Aneroid bar. at the close 30.18

W.W. Smith Master

8 A.M to Meridian. Clear, Pleasant. Light to moderate breeze from S.W. At 9h 30m went to general quarters and exercised. By order of Comdg Officer released Wm Simpson, 1 CB from confinement. Received in Construction Dept. three pieces of lead pipe; in Engineers Dept. three bags of Blacksmiths coal. Comdg Officer left the ship to pay official visits Aneroid barometer 30.11

W Winningham-Kellogg

Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Gentle to moderate breeze from N to S.W. Barometer falling. An English steamer went to sea, dipping her colors as she passed us, which compliment we returned in kind. A Chilian steamer came into the sounds. An officer from the Chilian Flagship came on board to invite us to participate in the celebration of the 18th Sept: the Chilian Independence Day. Aneroid bar. 30.10

Hart Wilbur, Lieutenant

4 to 8 P.M. Clear and pleasant, Moderate to light breeze from S. and W., Occasional strong puffs from over the land. All hands mustered at quarters. Aneroid 30.11.

W Winningham-Kellogg

Lieutenant

8 P.M to Midnight. Weather clear and pleasant. Gentle breeze from S. Barometer steady. Aneroid barometer 30.11.

Hart Wilbur Lieutenant

Moon 1 mid Examined and found to be correct.
Dec 14° 7' 26" S.
Phase New moon.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E+N	E.	3-4		30.16	62	54	51		b		10	S.	
2	"		"	"	2		30.15	62	55	51		"		10	"	
3	"		NE.	NNE.	2		30.15	62	57	52		"		10	"	
4	"		N	NE.	2		30.15	62	57	52		"		10	"	
5	"		ESE.	SE	2		30.20	60	56	49		"		10	"	
6	"		SE.	ESE.	2		30.20	60	57	49		bc	cirs	9	"	
7	"		SE+S.	SE.	2		30.24	60	55	49		b		10	"	
8	"		"	"	1		30.27	60	57	50		"		10	"	
9	"		SW.	"	1		30.28	61	59	52		bc	cir	9	"	
10	"		SSE	SSE.	3		30.30	62	61	54		"	"	9	"	
11	"		SSW.	WSW.	3-4		30.30	62	62	54		"	"	9	"	
Noon.	"		"	"	3-4		30.30	62	62	54		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2015 "

Coal consumed during the preceding 24 hours tons 1500 lbs.

Coal remaining on hand at Noon 52 " 316 "

P. M.																
1	"		SSW.	NNW	1		30.28	62	62	54		bc	cir	9	S	
2	"		S+E	S+E	2		30.25	62	62	54		"	"	9	"	
3	"		"	"	3-5		30.25	62	62	54		b		10	"	
4	"		"	"	3-5		30.25	62	62	54		"		10	"	
5	"		"	"	4-6		30.25	63	64	52		bq		10	M	
6	"		"	"	5-7		30.25	63	62	51		"		10	"	
7	"		"	"	4		30.26	64	62	52		b		10	S	
8	"		"	"	3		30.27	64	62	52		"		10	"	
9	"		"	"	4-5		30.29	64	60	50		bq		10	M	
10	"		"	"	4-6		30.30	62	59	48		"		10	"	
11	"		"	"	4-6		30.30	61	58	48		beq	cirs	9	"	
Mid.	"		"	"	2-4		30.30	60	58	48		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. McCormick, U. S. Navy,

Saturday, September 16th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light breeze from N. and E., Aneroid barometer 30.12.

M. H. Mackenzie Lieutenant

4 to 8 A.M. Clear and pleasant. Light E.S.E. breeze. Aneroid 30.20.

W. Cunningham-Kellogg Lieutenant

8 A.M. to Meridian. Weather clear and pleasant. Light to moderate breeze from S.E. to W.S.W. Barometer steady. Cirrus clouds. At 9.30 mustered and inspected crew at quarters. M. McQuade (Sea.) Wm. B. Pickett (Ord.) John McGowen (Sea.) John Haberly (Ord.) and Walter Disney (Ods.) are absent without leave, and an offer of ten dollars ($10.00) reward was sent ashore for the apprehension and delivery on board of each of the last named three. Aneroid bar. 30.22.

Harold Williams Lieutenant

Meridian to 4 P.M. Enlisted for cruise of "Essex", Henry Schinale as Landsman. Italian man of war saluted Chilian Commodore. Salute answered by "Almirante Cochrane". John McGowen (Sea.) was delivered on board by police authorities, and a reward of $10.00 (U.S.) was paid for his apprehension and delivery on board, paid also $11.00 (Chilian) for destruction by him of policeman's cap. Placed John McGowen (Sea.) in double irons for safe keeping. M. McQuade (Sea.) returned on board. Weather clear and squally. Aneroid bar. 30.18.

M. H. Mackenzie Lieutenant

4 to 8 P.M. Weather clear and squally first part of watch but fine and settled in latter part. Gentle to strong breeze from S. by E. Barometer rising. Aneroid barometer 30.25.

Harold Williams, Lieutenant

8 P.M. to Midnight. Weather clear and pleasant. Frequent squalls from S. and E. Aneroid barometer 30.27.

M. H. Mackenzie Lieutenant

Moon's mid. Dec 16° 59' 17" S.
Phase New moon.

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	NE×E.		NE×E.	3		30.30	61	56	49		be	Cis	9	S	
2	"		"	"	2		30.30	61	56	49		"	"	9	"	
3	"		"	"	2		30.30	61	56	49		"	"	9	"	
4	"		W×N	"	2		30.30	61	56	49		"	"	9	"	
5	"		"	"	2		30.28	60	57	50		"	"	9	"	
6	"		S.S.W.	S.S.E.	1		30.26	60	57	50		b		10	"	
7	"		"	NNW.	1		30.24	62	57	51		"		10	"	
8	"		"	"	0-1		30.24	62	57	51		"		10	"	
9	"		NNW.	NE.	1		30.23	62	59	53		"		10	"	
10	"		NW.	N	1		30.20	63	69	53		"		10	"	
11	"		NNE	NE	1		30.19	65	68	56		"		10	"	
Noon.	"		NNW.	W.	1		30.18	64	68	55		"		10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the .

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1665 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 52 " 16 "

P. M.															
1	"		W.	NW.	2		30.18	66	69	59		b		10	S
2	"		S.W×S	S.S.W.	2		30.15	66	69	59		"		10	"
3	"		"	"	2		30.11	66	69	59		"		10	"
4	"		"	"	2		30.11	66	69	59		"		10	"
5	"		ESE	E	1		30.10	69	69	56		"		10	"
6	"		SE×S	S.	2		30.10	68	67	56		"		10	"
7	"		S.S.W.	S.W.	1		30.10	67	66	55		"		10	"
8	"		SE×S.	S	1		30.08	67	66	66		"		10	"
9	"		ENE	"	1		30.05	67	66	56		"		10	"
10	"		"	"	2		30.04	68	66	56		"		10	"
11	"		"	"	2		30.01	65	66	56		"		10	"
Mid.	"		ESE	"	2		30.01	65	66	56		"		10	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, September 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Bright starlight. Light breeze from N.E by E. Barometer steady. Aneroid barometer 30.23.

W. McSmith Master

4 to 8 A.M. Weather clear and pleasant. Barometer falling. Light airs from S.S.E to W.N.W. At 8. dressed ship with the Chilian Flagships, having the Chilian flag at the main. John Flaherty. (1st Class.) returned to the ship. Received on board for use of crew. 106 lbs. fresh beef, 8 lbs vegetables, and 83 lbs fresh bread.

Neil Nicholson Lieutenant

8 A.M to Meridian. Weather clear and pleasant. Light airs from N.E and W.S.W. Inspected at quarters and found Wm. E. Pickett. (1 Class.) absent without leave and Walter Disney. (Lds.) H. McCaffrey. (Hold.) and Louis Deistel (2d Class) absent after their leave had expired. At 12. M. the "Almirante Cochrane" fired a salute of 21 guns. Aneroid barometer 30.10.

M.R.S. Mackenzie Lieutenant

Meridian to 4 P.M. Clear and pleasant. Light breeze from S.E and W.S.W. Received an official visit from Captain of Port. Aneroid barometer 30.02.

W. McSmith Master

4 to 8 P.M. Clear and pleasant. Southerly wind. Barometer 30.02.

W.H.T. Parker Lieutenant

8 P.M to Midnight. Pleasant weather. Bright starlight. Light Southerly breeze. Aneroid barometer 30.02.

W. McSmith Master

Moon's mid Dec 19° 07' 16" S.
Phase New moon

Examined and found to be correct.

W. H. T. Parker
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NE × E	S.E.	1		30.00	64	59	53		b		10	S	
2	"		NNE.	NE.	1		29.97	64	58	54		"		10	"	
3	"		"	"	1		29.96	63	57	53		"		10	"	
4	"		NW × N	N.W.	1		29.95	63	57	52		"		10	"	
5	"		NNW.	"	1		29.97	63	56	51		"		10	"	
6	"		NW.	"	1		30.00	63	56	51		bc	cis	9	"	
7	"		"	ESE.	1		30.04	63	56	51		"	"	9	"	
8	"		"	"	1		30.06	63	56	51		"	"	9	"	
9	"		"	Calm	0		30.08	63	60	56		bz.		10	"	
10	"		"	"	0		30.10	64	61	57		bcz	cis	9	"	
11	"		NNE.	NNE.	1		30.12	64	61	57		"	cis cum	6	"	
Noon.	"		"	"	2		30.14	64	61	57		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1315 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 51 " 1956 "

P. M.															
1	"		NNE	NE.	2		30.14	64	61	57		bcnw	cicum	5	L
2	"		"	N × E.	2		30.14	64	61	57		"	"	5	"
3	"		"	"	2		30.14	64	59	56		"	"	4	"
4	"		N × W.	NW.	1		30.14	64	59	56		"	"	5	"
5	"		NNE.	NE.	1		30.17	64	58	55		"	"	4	"
6	"		NE.	N	1		30.17	64	58	55		"	"	4	"
7	"		NNE.	NE.	1		30.16	64	59	56		ocnw	"	0	"
8	"		NE.	NNE.	1		30.16	65	58	55		"	"	0	"
9	"		ESE.	"	0-1		30.14	64	58	55		"	"	0	"
10	"		"	SE.	0-1		30.12	64	58	55		bc	"	4	"
11	"		"	Calm	0		30.10	64	57	54		"	"	6	"
Mid.	"		"	ESE.	1		30.10	63	57	54		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,
Monday September 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light variable airs. Aneroid 29.96.

W. Cunningham-Kellogg
Lieutenant

4 to 8 A.M. Weather clear and pleasant. Light airs from W. and W.N.W. At 6 A.M. dressed ship rainbow fashion, with the Chilian flag at the main, following the motions of the Chilian flagship "Almirante Cochrane" At 6.57 a salute of 21 guns was fired ashore and at 6 A.M. a salute of 21 guns was fired by the Almirante Cochrane, H.M.S. "Mutine" dressed ship before daylight and the Italian corvette Caracciolo dressed at 6.35. Aneroid bar. at close 30.05

M.R.S. Hankey
Lieutenant

8 A.M. to Meridian. Clear and warm. Calms and light airs from N.N.E. Went to quarters at 9.30 for inspection. The following were absent without leave: Wm. E. Pickett (ICS) Walter Dissey, (Ds.) H. McCaffrey (Ck.) Louis Deistel (Do Mn.) R. E. Henry (OS 2 C.) and Chas. Lloyd (OS 2 C.) An offer of a reward of $10.00 was sent ashore for the apprehension and delivery on board of the five last named. By order of Commanding Officer E. B. Winslow (OS 2 C.) was given three days solitary confinement on bread and water for disobedience of orders. and John McGolven, (Sea) was given five days solitary confinement on bread and water for assaulting the police. Exercised 1st division at great guns, 2d and 3d at single sticks and Powder division at small arms. Commanding Officer with several of the wardroom and steerage officers left the ship to participate in the ceremonies ashore attending the celebration of the anniversary of Chilian independence. Aneroid bar. at the close 30.10.

W. M. Smith
Master

Meridian to 4 P.M. Clear and pleasant. Light breeze from W. and S.W. Moderate swell from N.W., Aneroid 30.10.

W. Cunningham-Kellogg
Lieutenant

4 to 8 P.M. Pleasant weather, cloudy and hazy. Light airs from N. to N.E. Barometer steady. Went to quarters at 5.15. Undressed ship at sunset. Aneroid barometer 30.10.

W. M. Smith
Master

8 P.M. to Midnight. Clear and pleasant. Moderate swell from N.W. Light variable airs and calms. Moonlight. Aneroid 30.11.

W. Cunningham-Kellogg
Lieutenant

Moon's mid Examined and found to be correct.
Dec 20° 28' 31" S.
Phase New moon

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.S.E.	S.S.E.	2		30.10	61	55	53		bm		10	S.	
2	"		"	"	2		30.10	61	55	52		"		10	"	
3	"		"	E × S.	2		30.10	61	55	52		"		10	"	
4	"		"	"	2		30.10	60	56	52		"		10	"	
5	"		"	S.E.	1		30.10	60	55	51		bcm	cir cum & numb	6	"	
6	"		S.E × S.	S.	1		30.10	60	54	51		ocm	"	0	"	
7	"		"	"	1		30.16	60	55	53		"	"	0	"	
8	"		S.S.W.	S.W.	1		30.17	61	58	55		"	"	0	"	
9	"		N.E.	"	1		30.19	61	58	55		bc	cir cum	4	"	
10	"		W.	W.S.W.	1		30.20	61	58	54		"	"	2	"	
11	"		"	W.	1		30.21	62	58	54		"	cum cir & numb	2	"	
Noon.	"		"	"	1		30.21	62	58	54		"	cir cum	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 960 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 51 " 1656 "

P. M.														
Anchored		W.	S.W.	1	30.19	62	60	55	bc	cir cum & cum	4	8		
2	"	S.W.	"	2	30.17	63	59	54	"	"	2	"		
3	"	"	"	2	30.15	63	57	52	"	"	2	"		
4	"	"	"	3	30.15	63	56	51	oc	"	0	"		
5	"	"	"	8	30.15	62	57	53	"	"	0	"		
6	"	S.E.	S.E.	1	30.17	62	57	54	"	"	0	"		
7	"	N.N.E.	N.E.	1	30.19	62	57	54	"	"	0	"		
8	"	"	"	1	30.21	62	57	54	"	"	0	"		
9	"	S.S.W.	S.W.	1	30.18	62	57	53	"	"	0	"		
10	"	"	"	1	30.16	62	57	52	"	"	0	"		
11	"	"	"	1	30.16	62	57	52	"	"	0	"		
Mid.	"	E.S.E.	"	1	30.16	62	57	53	"	"	0	"		

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. W. McCormick, U. S. Navy,

Tuesday September 19th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear and pleasant weather, Light breeze from E by S to E.S.E. Barometer steady. Aneroid barometer 30.18.

Hartt Rhodes Lieutenant

4 to 8 A.M. Overcast. Light airs from S., Received for use of crew 106 lbs of fresh beef 80 lbs of vegetables and 83 loaves of bread, Barometer 30.16.

W. T. Parker Lieutenant

8 A.M. to Meridian. Clear and pleasant. Light breze from S.E. and N.E. At 9.30 went to general quarters and exercised divisions. Aneroid 30.16.

Wainwright Kellogg Lieutenant

Meridian to 4 P.M. Weather pleasant though somewhat cloudy. Light to gentle breze from S.W. Clouds cirro-cumulus and cumulus. A French steamer came into port dipping her colors as she passed us, a compliment which we returned in kind. Aneroid barometer 30.13.

Hartt Rhodes, Lieutenant

4 to 8 P.M. Cloudy, Pleasant. Light airs from S., At 5.15 mustered at quarters. At sunset sent down topgallant yards. Aneroid 30.11.

Wainwright Kellogg Lieutenant

8 to Mrid. Weather overcast and cloudy, but pleasant. Light breze from S by W. Barometer falling. Aneroid barometer 30.15.

Hartt Rhodes, Lieutenant

Moon's mid Examined and found to be correct.
Dec 20° 37' 51" S.
Phase New moon

W. T. Parker
Lieutenant U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.S.E.	S.E.	1		30.17	60	56	53		oc m	Cir Cum & Cumu	0	S	
2	"		"	"	1		30.15	60	56	53		"	"	0	"	
3	"		N.N.E.	N.N.	1		30.13	60	56	53		oc	"	0	"	
4	"		N.N.W	N.N.W.	1		30.13	60	56	53		"	"	0	"	
5	"		"	"	1		30.13	60	56	53		bc	Cir Cumu	3	"	
6	"		S.E.	S.E	1		30.15	60	56	53		"	"	5	"	
7	"		"	"	1		30.16	60	57	53		"	"	7	"	
8	"		"	"	1		30.16	60	57	53		"	"	8	"	
9	"		N.	N.N.	0-1		30.20	62	59	55		"	"	8	"	
10	"		S.E.	S.S.E.	2		30.20	63	62	56		"	"	6	"	
11	"		"	"	3		30.20	63	63	56		"	Cir Cumu & Cumu	6	"	
Noon.	"		"	"	4		30.20	63	64	56		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water — during the preceding 24 hours — "

.Water remaining on hand fit for use at Noon — 630 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 57 " 1356 "

P. M.															
1	"		S.S.E	S.S.E.	1		30.19	65	65	56		bc	Cir cumu	6	N
2	"		"	"	1		30.17	65	65	56		"	"	6	"
3	"		"	"	3-5		30.16	65	65	56		bcq'm	"	4	"
4	"		"	"	3-5		30.16	65	65	56		"	"	2	"
5	"		S.E.×S.	S×E.	4-5		30.15	63	62	53		ocq	"	0	S
6	"		"	"	4-5		30.14	63	62	53		"	"	0	"
7	"		"	"	5-6		30.13	63	62	53		"	"	0	"
8	"		"	S	4-5		30.13	63	62	53		bcq	"	3	"
9	"		S.E.	S.E.	3		30.13	62	60	53		bc	"	3	"
10	"		"	"	1		30.11	62	60	53		"	"	3	"
11	"		N.N.E	N.N.E.	2		30.09	62	60	53		"	Cir Cumu & Cumu	3	"
Mid.	"		"	"	2		30.09	62	60	53		"	"	4	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, September 20th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather overcast, light variable airs. Barometer falling. Aneroid at end of watch 30.13.

P. Rees Lieutenant

4 to 8 A.M. Clear and pleasant, light breeze from N.N.W and S.E. At 8. crossed topgallant and royal yards, and loosed sails. Aneroid 30.20

Wainwright Kellogg Lieutenant

8 A.M. to Meridian. Weather clear, and pleasant. Light to moderate breeze from N.W. to S.S.E. Barometer steady. Cirro-cumulus, and cumulus clouds. At 10.30 H.B.M.S. "Mutine" left the harbor. At 9.30 mustered, and inspected crew at quarters, and exercised 1st and 2d Divisions at great guns, 3d division at small arms. Powder division at single sticks and Master's division at small arms. Wm. E. Pickett, 1CB' and Walter Disney, 2DS, are absent from ship without leave.

Karl Rothe, Lieutenant

Meridian to 4 P.M. Cloudy and cool with light breeze from S. and E. increasing to stiff breeze in latter part of watch. Oiled copper of sailing launch. Aneroid at end of watch 30.10.

P. Rees Lieutenant

4 to 8 P.M. Weather overcast, and somewhat squally, clearing up somewhat in latter part of watch. Barometer falling. Breze moderate to fresh from S. by E. to S. At 5.15 mustered crew at quarters, and served out clean hammocks. At sunset sent down royal, and topgallant yards. At 5.30 started fires in two forward starboard boilers, and commenced distilling water at 7.30. Same men absent from ship without leave as at morning quarters. Aneroid barometer, 30.10.

Karl Rothe Lieutenant

8 P.M. to Midnight, Weather partly cloudy and cool. Barometer falling. Distilling. Aneroid at end of watch 30.08.

P. Rees Lieutenant

Moon's mid Examined and found to be correct.
Dec 19° 46' 18" S
Phase 1st Qr.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	N	2		30.04	62	60	53		bc	cir cum	4	8	
2	"		NE.	NE × N	2		30.04	62	60	53		"	"	7	"	
3	"		"	"	2		30.03	62	60	53		"	"	7	"	
4	"		"	"	2		30.02	62	60	53		"	"	7	"	
5	"		NNW.	N	1		30.06	60	58	52		"	"	7	"	
6	"		NNE.	NE.	1		30.06	60	57	53		"	"	7	"	
7	"		NE × E.	NNW.	1		30.10	60	57	53		"	"	8	"	
8	"		N.	N	1		30.10	60	58	54		"	"	8	"	
9	"		"	NE	0-1		30.12	62	58	55		"	"	3	"	
10	"		"	E.	0-1		30.12	62	59	55		"	"	3	"	
11	"		"	"	0-1		30.12	62	61	56		"	"	4	"	
Noon.	"		"	"	0-1		30.12	62	61	56		"	"	4	"	

P. M.																
1	"		NE	Calm	0		30.12	63	64	58		bc	Cir cum Cumu	5	8	
2	"		"	NW.	0-1		30.12	65	67	59		"	Cir cum	7	"	
3	"		S.	SE.	1		30.12	65	67	59		"	"	8	"	
4	"		"	"	1		30.11	64	65	56		"	"	6	"	
5	"		"	"	1		30.11	64	65	56		"	"	6	"	
6	"		"	"	1		30.16	64	65	56		"	"	6	"	
7	"		ENE.	"	1		30.16	64	65	56		"	"	8	"	
8	"		"	"	1		30.16	64	65	56		"	"	8	"	
9	"		"	"	1		30.15	63	65	56		"	"	9	"	
10	"		NNE.	E.	1		30.15	63	62	56		b	—	10	"	
11	"		"	"	2		30.15	63	60	56		"	—	10	"	
Mid.	"		"	NE.	2		30.15	63	58	55		bm	—	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water *distilled* during the preceding 24 hours — 1170 "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — 1 tons 2160 lbs.

Coal remaining on hand at Noon — 49 " 1426 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, September 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light breeze from N.E. by N. Bright starlight. Distilling. Aneroid bar. 30.03.

W. W. Smith Master

4 to 8 A.M. Weather pleasant. Light breeze from N.E. to N.W. Barometer rising. Clouds cirro cumulus. Received on board for crew 103 lbs of fresh beef 82 lbs of vegetables, and 83 loaves of bread. At 8 sent up royal and top gallant yards. Aneroid barometer 30.07

Ned Howard R Lieutenant

8 A.M. to Meridian. Weather partly cloudy and pleasant. Light airs from E., Barometer steady. Mustered at quarters at 9.30. Wm E. Pickett, 'CB' and Walter Disney, 'Ds' absent without leave. By order of Commanding Officer Henry Hudson, 'Cox' was given five days double irons for assaulting shipmate, and Sahdy Buchanan, 'C. Steward' was given five days double irons for absence without leave. Wm A. Paulson, 'S. Steward' reported expiration of term of service. Jas A. Berry 'O.S.' left ship in dinghy without permission and remained ashore. Offered a reward of $20.00 to police authorities for his apprehension and delivery on board. Aneroid at end of watch 30.10

[illegible] Lieutenant

Meridian to 4 P.M. Clear and warm. Calms and light variable airs. Barometer steady. Walter Disney, 'Ds' returned to the ship seven days overtime. The Intendente of Valparaiso visited the ship and was received with the customary honors. James H. Berry, 'O.S.' was brought on board by the police and placed in double irons to await investigation. Paid a reward of $20.00 for his apprehension and delivery. Aneroid barometer 30.07

W. W. Smith Master

4 to 8 P.M. Clear and pleasant. Light airs from S.E. Mustered at quarters at 5.15. Distilling. Aneroid at end of watch 30.12.

[illegible] Lieutenant

8 P.M. to Midnight. Pleasant weather. Bright moonlight and starlight. Distilling fresh water. Aneroid barometer 30.10.

W. W. Smith Master

Moon b mid. Examined and found to be correct.

Dec 17° 44' 32" S

Phase First quarter

W. T. Pope
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chili. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	NE.		NE.	0-1		30.17	62	56	52		b		10	S	
2	"		"	"	0-1		30.17	62	55	51		"		10	"	
3	"		"	"	0-1		30.15	61	55	51		"		10	"	
4	"		"	"	0-1		30.14	61	55	51		"		10	"	
5	"		E.	"	0-1		30.15	61	55	51		bc	ci str	8	"	
6	"		"	"	0-1		30.15	61	55	51		"	"	8	"	
7	"		"	"	0-1		30.20	61	55	51		"	"	8	"	
8	"		NW+N.	NW.	1		30.20	61	55	51		"	"	8	"	
9	"		WNW.	"	1		30.24	61	57	53		b		10	"	
10	"		NW+N.	NE.	1		30.23	61	59	53		"		10	"	
11	"		NNE.	"	1		30.23	62	60	58		"		10	"	
Noon.	"		"	Calm	0		30.20	62	63	58		"		10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 315 gallons.

Water distilled during the preceding 24 hours — 1815 "

Water remaining on hand fit for use at Noon — 3000 "

Coal consumed during the preceding 24 hours — 2 tons 1220 lbs.

Coal remaining on hand at Noon — 47 " 216 "

P. M.															
1	"		NE	Calm	0		30.18	62	63	58		b		10	b	
2	"		"	"	0		30.16	64	66	60		"		10	"	
3	"		SE	SE	0-1		30.15	64	66	60		"		10	"	
4	"		"	"	1		30.17	67	67	58		bc	ci	9	"	
5	"		"	"	1		30.19	69	68	56		"	ci cumu	8	"	
6	"		"	"	0-1		30.19	69	68	56		"	ci str	8	"	
7	"		"	"	0-1		30.19	68	67	56		b		10	"	
8	"		N.	NE	1		30.18	67	66	58		"		10	"	
9	"		NW+N	N	1		30.18	66	65	56		"		10	"	
10	"		NNE.	NE	1		30.17	65	63	56		"		10	"	
11	"		NW. NW.	NW	1		30.15	65	63	56		"		10	"	
Mid.	"		NW+N	"	1		30.13	64	63	55		"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, September 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear and pleasant. Light airs from N.E. Distilling. Aneroid 30.14.

Wainwright Kellogg
or Lieutenant

4 to 8 A.M. Weather clear and pleasant. Light breeze from E.N.E. Barometer rising. The comet in the East very bright just before sunrise. Crossed topgallant yards at 8.00. Aneroid at end of watch 30.18.

Lieutenant

8 A.M. to Meridian. Clear and warm. Light breeze from N.E. Went to fire quarters at 9h. all divisions ready in 1 min. 45 sec. Secured at 9h 2d all divisions secured in 1 min 10 sec. Forbidden the assembly at 9h 40m and exercised at Battalion drill. By order of Commanding Officer. Jas H. Berry, (OS2b.) was placed in single irons to await trial by Court martial. Entered Ah Sow as Landsman for the Cruise, special service. Hoisted out 2d Whale boat and hoisted her to davits ready for painting. Aneroid barometer at the close 30.15

W. McDermit
Master

Meridian to 4 P.M. Clear and pleasant, Calm, Aneroid 30.10.

Wainwright Kellogg or Lieutenant

4 to 8 P.M. Pleasant weather. Light airs from S.E. Barometer steady Scraped spars. Aneroid barometer 30.10.

W. McDermit Master

8 P.M. to Midnight. Clear and pleasant. Light variable airs. Moonlight; Aneroid 30.10.

Wainwright Kellogg
or
Lieutenant

Moon's Mid Examined and found to be correct.
Dec 14° 36' 28" S.
Phase First quarter

W. T. Burton
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	N.W.	0-1		30.10	63	61	55		b		10	S	
2	"		"	"	0-1		30.10	63	61	55		"		10	"	
3	"		"	"	0-1		30.10	61	57	54		"		10	"	
4	"		"	"	0-1		30.10	61	57	54		"		10	"	
5	"		N.N.W.	S.W.	0-1		30.10	60	58	54		bo	cir	9	"	
6	"		"	"	0-1		30.10	60	61	57		bc m	"	8	"	
7	"		N.E.	Calm	0		30.11	60	61	57		"	"	8	"	
8	"		"	N.N.E.	1		30.12	62	60	57		"	"	8	"	
9	"		"	N.W.	0-1		30.10	62	61	57		"	"	8	"	
10	"		"	"	0-1		30.10	62	61	57		"	"	9	"	
11	"		"	Calm	0		30.10	62	61	57		bo	"	9	"	
Noon.	"		"	"	0		30.10	62	61	57		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2670 "

Coal consumed during the preceding 24 hours tons 3 0 0 lbs.

Coal remaining on hand at Noon 46 " 2116 "

P. M.															
1	"		N.E.+E.	N.E.	1		30.011	65	65	60		b		10	"
2	"		N.E.	N.W.	1		30.00	68	68	60		"		10	"
3	"		N.	"	1		30.03	67	72	60		"		10	"
4	"		E.S.E.	S.	1		30.00	68	73	59		"		10	"
5	"		E.	E.S.E.	2		29.98	69	73	59		bc	cir	9	"
6	"		"	"	2		29.97	71	73	59		"	"	9	"
7	"		N.	N.	2		29.95	71	73	59		"	"	9	"
8	"		"	"	2		29.95	70	73	59		"	"	9	"
9	"		N.N.E.	N.W.	2		29.95	69	66	58		"	"	9	"
10	"		"	S.E.	2		29.96	65	65	58		b		10	"
11	"		"	"	2		29.97	63	62	58		"		10	"
Mid.	"		"	"	2		29.97	63	61	57		"		10	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Saturday, September 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant weather, Barometer steady. Light breze from N.W. Bright moon and starlight. Aneroid barometer 30.08

Harold Dobbin Lieutenant

4 to 8 A.M. Pleasant weather. Misty. Calms and light variable airs. Barometer steady. An English steamer came in from the S., Aneroid bar. at the close 30.08.

W.W. Smith Master

8 A.M. to Meridian. Clear and pleasant. Calms and light variable airs. By order of Commanding Officer. John McGowen (Sea) was released from confinement and Edw. B. Winsbro (Ord) was placed in solitary confinement on bread and water for three days for disobedience of orders. Geo. H. Jones (Ord) was given seven days extra duty for disobedience of orders and insolence to Captain of Top. John H. Smith, (Ord) was given seven days extra duty for putting Slops in pantry. Wm. E. Pickett, (Ord) absent without leave. Aneroid barometer 30.10.

Wainwright Kellogg

U.S.N. Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Light breze from S. to W. Received on board seven (7) bbls of pork. An English steamer came into port dipping her colors as she passed us which compliment we returned in kind. Aneroid barometer 29.92.

Harold Dobbin, Lieutenant

4 to 8 P.M. Clear and pleasant. Light variable airs. At 5.15 mustered at quarters. Received on board in Pay Dept eight (8) tins of coffee and five (5) bbls of sugar. Aneroid 29.92.

Wainwright Kellogg

U.S.N. Lieutenant

8 P.M. to Midnight. Weather clear and pleasant. Bright moonlight and starlight. Light breze from N.W. to S.E. A steamer went to sea at 8.15. Aneroid Barometer 29.92.

Harold Dobbin, Lieutenant

Moon's mid
Dec. 10° 30' 06" S.
Phase, First quarter

Examined and found to be correct.

W. J. Barker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Valparaiso, Chili. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNE	NE	1		29.93	63	59	53		b		10	S	
2	"		NW+N	NW	1		29.92	62	59	55		"		10	"	
3	"		"	"	1		29.90	62	58	55		bm		10	"	
4	"		"	"	1		29.90	61	55	53		ocf	Nimb	0	"	
5	"		"	"	1		29.94	60	58	53		"	"	0	"	
6	"		S.E.	Calm	0		29.94	60	58	53		"	"	0	"	
7	"		"	"	0		29.95	60	58	53		"	"	0	"	
8	"		"	"	0		29.97	60	58	53		"	"	0	"	
9	"		"	"	0		29.98	61	56	53		"	Cum Nimb	0	"	
10	"		"	NE	0-1		30.00	61	56	54		"	"	0	"	
11	"		NE	"	0-1		30.01	62	57	54		"	"	0	"	
Noon.	"		"	"	0-1		30.02	62	58	55		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	315	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2355	"
Coal consumed during the preceding 24 hours	tons 300	lbs.
Coal remaining on hand at Noon	46 " 1816	"

P. M.															
1	"		NNE	Calm	0		30.02	63	58	55		ocfm	Cumulus Nimbus	0	S
2	"		"	NE	1		30.01	62	58	55		"	"	0	"
3	"		"	Calm	0		29.99	62	58	55		ocf	"	0	"
4	"		"	SE	1		29.99	63	58	56		"	"	0	"
5	"		"	"	1		30.00	63	55	53		"	"	0	"
6	"		ESE	"	1		30.00	63	55	53		"	"	0	"
7	"		"	"	1		30.00	63	55	54		"	"	0	"
8	"		"	Calm	0		30.00	63	57	55		"	"	0	"
9	"		"	NNE	0-1		30.00	63	57	55		"	"	0	"
10	"		E	"	1		30.00	63	57	55		"	"	0	"
11	"		"	"	1		30.02	62	56	54		ofm	"	0	"
Mid.	"		"	"	1		30.04	62	56	54		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. September 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant at beginning of watch, foggy latter part. Light airs from NE to NW. Barometer falling Aneroid at end of watch 29.92

P. Ross Lieutenant

4 to 8 A.M. Foggy. Calm. Received fresh provisions for crew and sent them ashore again. they being in bad condition. Aneroid 29.98.

Wainwright Kellogg Lieutenant

8 A.M. to Meridian. Weather cloudy and foggy. Barometer rising Light airs from NE. Cumulus and Cumulus clouds. At 9.30 the ship and crew were inspected at quarters. ~~Enlisted for the Navy as ordinary seaman, Peter Stromdell.~~ Aneroid barometer 30.00.

H. H. Orbison, Lieutenant

Meridian to 4 P.M. Clear sky with thick fog. Calm. Barometer falling. Aneroid at end of watch 29.98.

P. Ross Lieutenant

4 to 8 P.M. Weather foggy. lighting up somewhat in latter part of watch. Barometer steady. Light airs from S.E. Aneroid barometer 30.0'

H. H. Orbison, Lieutenant

8 P.M. to Midnight. Overcast: thick fog amounting to light drizzle latter part of watch, Barometer rising. Aneroid at end of watch 30.03

P. Ross Lieutenant

Moon's mid Examined and found to be correct.
Dec 5°38'41" S
Phase. First quarter

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Valparaiso. Chile. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NE.	NE	1		30.01	61	55	54		ofcw	Cumulus	0	S.	
2	"		"	"	1		30.04	60	55	54		"	"	0	"	
3	"		"	"	1		30.02	60	55	54		"	"	0	"	
4	"		"	"	1		30.02	59	55	53		bcf	"	2	"	
5	"		ESE.	Calm	0		30.00	59	55	52		ocf	"	0	"	
6	"		"	SE	1		30.06	59	55	52		"	"	0	"	
7	"		"	"	1		30.08	60	55	53		"	"	0	"	
8	"		"	Calm	0		30.08	58	55	53		"	"	0	"	
9	"		NE×N	"	0		30.10	58	55	53		ocw	"	0	"	
10	"		"	"	0		30.11	60	53	53		"	"	0	"	
11	"		SE.	"	0		30.09	60	55	53		"	"	0	"	
Noon.	"		"	"	0		30.09	60	55	53		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2010 "

Coal consumed during the preceding 24 hours tons 900 lbs.

Coal remaining on hand at Noon 46 " 916 "

P. M.															
1	"		NW.	NW.	1		30.09	61	57	55		oc	Cumulus	0	S
2	"		"	"	1		30.08	61	57	55		"	"	0	"
3	"		"	"	0-1		30.08	61	57	55		ocw	"	0	"
4	"		SW.	W.	1		30.08	61	57	55		"	"	0	"
5	"		"	"	1		30.08	61	57	55		bcw	"	2	"
6	"		"	"	2		30.08	61	57	55		ocw	"	0	"
7	"		"	Calm	0		30.08	62	57	55		"	"	0	"
8	"		E×N	SE.	1		30.10	63	57	55		bc	Cirrus	3	"
9	"		"	"	1		30.10	63	57	55		ocw	"	0	"
10	"		"	"	1		30.10	63	57	55		ocf	"	0	"
11	"		"	"	1		30.10	61	57	55		"	"	0	"
Mid.	"		"	"	1		30.10	61	57	55		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. September 25th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast foggy and damp. Light breeze from N.E. Barometer steady. Aneroid barometer 30.00.

W.M. Inman
Master

4 to 8 A.M. Weather foggy and damp. Barometer rising. Cumulus and nimbus clouds. Light airs from S.E. A Chilian steamer came in from the S^d and dipped as she passed us, which compliment we returned in kind. At 8^00 sent up royal yards. Aneroid barometer 30.06.

Ned McGlensey Lieutenant

8 A.M. to Meridian. Weather foggy and damp. Calm. Barometer rising. Mustered at quarters at 9.30 and exercised at rigging torpedo booms. By order of Commanding Officer, Wm. E. Pickett, 1 C.B. having absented himself ten days from the ship without permission is declared a deserter. Aneroid at end of watch 30.12.

O'Reilly Lieutenant

Meridian to 4 P.M. Overcast cloudy and misty. Light breeze from N.W. Got up and bent mainsail. Rove off studdingsail gear. Broke out studdingsails and stowed awnings in sail room. Secured both the launches for sea. Aneroid barometer at the close 30.10.

W.M. Inman
Master

4 to 8 P.M. Overcast and foggy. Clearing toward end of watch. Mustered at quarters at 5.15. John McCowen, 1st class boy left boat without permission and remained on shore. Aneroid at end of watch 30.09.

O'Reilly Lieutenant

8 P.M. to Midnight. Overcast cloudy and foggy. Light airs from S.E. Barometer steady. Aneroid barometer at the close 30.10.

W.M. Inman
Master

Moon's mid Examined and found to be correct.
Dec. 0° 22' 22" S.
Phase First quarter

W. T. Porter
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Valparaiso. Chili. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E	N E.	0-1		30.10	60	55	53		oc f	cum. numb	0	S	
2	"		"	Calm	0		30.10	60	55	53		"	"	0	"	
3	"		"	N N.	1		30.10	60	55	53		"	"	0	"	
4	"		S W.	"	1		30.10	60	55	53		"	"	0	"	
5	"		S S E	N E	1		30.10	59	55	53		oc fw	"	0	"	
6	"		"	N	1		30.10	59	55	53		"	"	0	"	
7	"		"	"	1		30.10	69	55	53		"	"	0	"	
8	"		N E × E	N W.	2		30.10	58	55	53		"	"	0	"	
9	"		"	N E.	1		30.18	59	56	52		bc f	"	6	"	
10	"		N N E.	N W.	1		30.16	60	60	57		bc	cus	8	"	
11	"		N E × E.	S. E.	1		30.14	60	59	57		"	"	9	"	
Noon.	"		N W × N	N E.	1		30.12	62	62	59		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1740 "

Coal consumed during the preceding 24 hours 1 tons 60 lbs.

Coal remaining on hand at Noon 45 " 85 6 "

	P. M.															
	1	"		S E × E	S. E × E	2	30.10	66	62	59		b		10	S	
	2	"		S. W	S. W.	2-4	30.10	66	62	59		"		10	"	
33° 01' S	3			N W	"	3-6	30.10	66	62	59	55	"		10	W	
71° 36' W	4	7	6	"	"	3-6	30.07	63	62	59	55	"		10	"	
	5	7	0	"	S. S. W.	4-5	30.08	61	56	54	55	bg		10	"	Set royals and fore topmast studgs
	6	3/4	5	N N W.	S. × W	4-5	30.06	61	56	54	55	"		10	"	
32° 17' S	7	8	0	"	"	4-5	30.06	61	57	55	55	"		10	"	
71° 53' W	8	8	0	"	"	4-5	30.06	62	57	55	55	"		10	"	
	9	8	0	"	"	4-5	30.6	62	57	55	55	"		10	"	
	10	8	4	"	"	5-6	30.06	62	57	55	55	"		10	"	
Sgaan 349	11	8	4	"	"	5-6	30.06	60	57	54	55	"		10	"	
	Mid.	8	4	"	"	5-6	30.07	60	57	54	55	"		10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, September 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Foggy. Light variable airs and calms. Aneroid 30.13.

W Winslow Kellogg
WK Lieutenant

4 to 8 A.M. Overcast with thick fog. Barometer steady. Aneroid at end of watch 30.11. Received on board for use of crew 106 lbs of fresh beef, 82 lbs of vegetables and 82 loaves of bread.

C.P.R. Lieutenant

8 A.M to Meridian. Cloudy and foggy first part. Clear and warm latter part of watch. Went to quarters at 9.30. John McGowen 'Sea' absent without leave. Enlisted for cruise as landsman. Frederick Meyer. By order of Commanding Officer released E. B. Winslow. O.S.26 from confinement. Fred'k Braithwaite, landsman left the 2d Cutter without permission and did not return. Sent an offer of reward of $10.00 each, for the apprehension and delivery on board of John McGowen 'Sea' and Fred'k Braithwaite. 'Lds' Rove off cat and fish falls. Hoisted smokestacks and put covers on mainmast and yard. Started fires under four forward boilers at 9.50. Aneroid barometer at the close 30.10

W. W. Sumner
Master

Meridian to 4 P.M. Clear and remarkably pleasant. Fresh steady breeze from S.W. blowing in puffs from over the land, steady after clearing the point. At 1 called all hands up anchor and hove up Starboard anchor. At 3. took departure, Valparaiso lighthouse bearing (pc) S.W distant 1 mile, Course N.W. Spud 6½ knots. Ship's draft, forward 13 feet. Aft 15 ft 5 in. At 3.35 called all hands make sail, made plain sail to topgallant sails. Hauled fires under two boilers and commenced distilling. Aneroid 30.08.

Winslow Kellogg
Lieutenant

4 to 6 P.M. Clear and pleasant. Moderate sea. Fresh breeze from S. and W. Changed course at 5.32 to N.N.W. by order of Comdg Officer. Set royals and topmast studd'ls at 5.20. By order of Comdg Officer. Jas Nolen 'S' was given five days solitary confinement on bread and water for insolence to Engineer of watch. Distilling. Uncoupled screw and hauled fires under two boilers.

Chas Roberts
Lieutenant

6 to 8 P.M. Clear and pleasant. Fresh breeze from S.W. Smooth sea. Barometer steady. Aneroid at end of watch 30.10. Steering a course (pc) N.N.W.

C.P.R.
Lieutenant

8 P.M to Midnight. Clear delightful weather. Bright moonlight and starlight. Fresh breeze from S by W. Aneroid barometer at the close. 30.08.

W. W. Sumner
Master.

Moon's mid Dec 11° 58' 20" N
Phase First quarter

Examined and found to be correct.

W. N. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,

Making passage from Valparaiso to Iquique.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	0	N N W	S × W	5		30.07	60	56	54	55	b. g	—	10	M	Plain sail to royals
2	7	6	"	"	5		30.07	60	56	54	56	b c g.	cr str	9	"	except main sail & spanker
3	8	0	"	"	6		30.06	60	55	54	56	"	"	4	"	Fore t'gmast stnsl.
4	8	0	"	"	6		30.06	59	55	54	56	"	"	1	"	Hauled down jib at 10 a.m.
5	8	0	"	"	6		30.05	59	55	54	57	b. c	cr cum	2	"	
6	7	5	"	"	6		30.04	59	56	55	57	"	"	5	"	
7	8	0	"	"	6		30.03	60	57	55	57	"	"	6	"	
S 30 30 8	8	0	"	"	6		30.03	60	57	56	57	b	—	10	"	
W 72°19' 9	2 6	0 0	N × W	"	6		30.03	61	59	57	57	b	—	10	"	Took in main t'gsail
10	8	2	"	"	6		30.04	62	62	59	57	"	—	10	"	
11	8	0	"	"	6		30.04	62	62	59	56	"	—	10	"	Set Port fore and main t'gt stnsls & Stbd main t'gt stnsail
S 30°00 Noon.	7	8	"	"	5		30.04	63	62	59	56	"	—	10	"	
W 72° 15'																

Distance run by Log since preceding Noon (P Log) — 188 − 00 — 166 knots 9 fathoms.

Latitude by D. R. at Noon — 29 °56 '07" S'

Longitude by D. R. at Noon — 72 °04 '30" W

Latitude by Observations at Noon ⊙ — 29 °56 '17" S

Longitude by Chronometer from Forenoon Observations ⊙ — 72 °16 '00" W

Current during the time .42 knots fms. per hour, setting to the — West

327 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. — 15 °00 '00" E

Water expended during the preceding 24 hours — 325 gallons.

Water distilled during the preceding 24 hours — 1500 "

Water remaining on hand fit for use at Noon — 2915 "

Coal consumed during the preceding 24 hours — 2 tons 2220 lbs.

Coal remaining on hand at Noon — 42 " 876 "

P. M.														
1	3	5	N × W N ½ W	S × W	4	30.00	64	62	59	56	b	—	10	L	Set stbd fore t'gmast
2	5	0	"	"	3	30.00	65	64	60	56	"	—	10	"	and t'gallant stnsl
3	5	2	"	"	4	30.00	64	64	60	56	"	—	10	"	Lower stnsl.
4	5	0	"	"	4	30.00	64	64	60	56	"	—	10	"	
5	5	2	"	"	4	29.94	64	64	60	56	"	—	10	"	
6	4	6	"	"	4	29.92	64	64	58	56	b. c	cr str	9	"	
7	3	5	"	S	2	29.95	65	62	58	58	"	"	9	"	7.45 Took in Port stnsls
S 29°15 W 72°11 8	3	0	"	S S E	2	29.93	65	60	58	58	"	cr str	5	"	
9	4	0	"	"	3	29.91	65	60	58	58	"	"	1	"	
10	3	0	"	"	2	29.90	65	60	58	58	oc	"	0	"	
11	1	5	"	E S E	1	29.90	65	60	58	58	"	"	0	"	Took in stbd stnsls
Mid.	—	—	"	N	1	29.90	64	59	57	58	"	"	0	"	Set jib & spanker

Longitude by Chronometer from Afternoon Observations ⊙ — 72 °19 '00" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by ☉ at 4 P. M. — 14 °30 ' " E

under the command of Commander A. K. McCormick, U. S. Navy,

Wednesday September 27, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy, pleasant. Fresh breeze from S by W. Moderate sea, Obscured moonlight. Distilling - Pat log at end of watch read 19 1/4 knots. Aneroid 30.06
Warrington W. Kellogg
Lieut

4 to 8 A.M.
Weather clear and pleasant. Barometer falling slowly. Cirro Cumulus clouds. Fresh breeze from S x W. Moderate sea to which ship rolls easily. Stopped distilling at 8 and let fires run down. Aneroid barometer 30.04
Robert Rod Nelson, Lt.

8 A.M. to Meridian.
Clear and pleasant. Fresh breeze from S x W. Moderate sea. Barometer steady. Mustered at quarters at 9.30. Exercised Signal Class at signalling. By order of Condg officer Dominick Orifice was given five days double irons for using abusive language to shipmate, Geo. H. Jones (1 CB) 5 days extra duty for being out of uniform at quarters, Hallie Heiney, Lds, and Jno J. McCann (Lds) 2 days extra duty each for making frivolous complaints. Took in main trysail at 8 to 8 changing course at same time to N x W. Set pat fore topgallant and both main topgallant studdingsails at 10.00. Aneroid at end of watch 29.99
C. P. Rees
Lt

Meridian to 4 P.M.
Pleasant weather - Moderate breeze from S x E - Long sea. At 12.30 changed course to N 1/2 W, pat log reading 95 miles. Set starboard fore topmast and topgallant stuns'ls and both lower stunsails. Aneroid Bar at the close 29.93 Thermr
4 to 6 P.M. Clear and pleasant with moderate breeze from S x E. Called all hands to muster at 4.45 and the sentence in the case of J. H. Berry (OS & C), tried for leaving the ship in the dinghy and deserting said dinghy and remaining in the City of Valparaiso until returned by the police, was read. The sentence of the Court was thirty days solitary confinement on bread and water with full rations every fifth day; and extra police duties for three months. The findings & sentence were approved by the Condg officer and the sentence mitigated to fifteen days solitary confinement on bread and water with full rations every fifth day and extra police duties for three months. Jas Nolen (OS) was released from confinement and the remainder of his punishment postponed until the above sentence was carried out. Aneroid at end of watch 29.90 Pat. log 123 Warrington W. Kellogg
Lt

6 to 8 P.M. Weather clear and pleasant. Light breeze from S to S S E. Barometer falling. Clouds cirro stratus, cir cum and stratus. Took in port stuns'ls and braced up a point by the port braces. Aneroid barometer 29.91
Robert Rod Nelson, Lt.

8 P.M. to Midnight
Weather overcast. Low barometer. Wind variable. Took in all studdingsails at 10.30 Braced up by port braces and set jib. Taken flat aback at 11.30. Chapeled ship. Set spanker at 11.50 Aneroid at end of watch 29.90.
C. P. Rees.
Lt.

Moon's mid
Dec 9° 38' 57" N
Full moon.

Examined and found to be correct.

W. H. Parker
Lt
Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,

Making passage from Valparaiso Chili to Iquique Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	0	WNW	N	2	1/2	29.90	63	58	56	57	o c d	nmb	0	L	All plain sail except main sail, main by sail & f. jib
2	5	8	"	"	4	1/2	29.92	62	57	56	57	"	"	0	"	
3	6	0	"	"	5	1/2	29.94	62	58	56	57	"	"	0	"	
4	7	0	"	"	6	1/2	29.96	62	57	55	57	b c	cumnmb	1	"	
5	6	0	"	"	6		29.95	60	57	55	57	o c	"	0	"	
6	5	0	"	"	5		29.95	60	58	56	57	"	"	0	"	
7	5	0	"	"	5		29.96	60	57	55	57	"	"	0	"	
8 (S 28°43 W)	3	0	"	"	4		29.96	60	57	55	57	"	"	0	"	
9 (N 56)	3	0	ENE	"	3	3/4	29.96	60	58	56	57	"	"	0	"	
10	Target practice			"	3	—	29.98	61	59	57	57	b c	"	2	"	Set royals & flying jib
11	2	0	"	"	3	3/4	29.99	61	58	56	57	o c	"	0	"	
Noon.	4	0	ENE1/2E	"	3	3/4	30.00	63	59	57	57	"	"	0	"	

Distance run by Log since preceding Noon	95 knots 8 minutes
Latitude by D. R. at Noon	28° 44' 25" S
Longitude by D. R. at Noon	72° 38' 30" W
Latitude by Observations at Noon ⊙	28° 42' 35" W
Longitude by Chronometer from Forenoon Observations ⊙	72° 46' 18" W
Current during the time 0.3 knots — fms. per hour, setting to the	N 73° W
327 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 8 a. m.	14° 05' 00" E
Water expended during the preceding 24 hours	326 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	2590 "
Coal consumed during the preceding 24 hours	tons 300 lbs.
Coal remaining on hand at Noon	42 " 576 "

P. M.															
1	4	5	E x N	N x E	3	1/2	30.00	63	59	57	57	b c	cumnmb	2	L
2	5	0	"	"	4	1/2	30.00	63	59	57	57	"	"	2	"
3	5	0	"	"	4	1/2	30.00	63	60	57	57	"	"	1	"
4	5	0	"	"	4	1/2	29.99	63	59	57	57	"	"	3	"
5	4	4	E.N.E.	"	4	1/2	30.00	63	58	56	57	"	"	5	"
6	5	0	"	"	4	1/2	30.00	64	58	56	57	"	"	7	"
7	3	0	"	"	3		30.04	64	58	56	57	"	"	8	"
8 (S 28 44 W 72° 08)	1	0	"	"	1		30.07	64	59	57	57	"	"	8	"
9	0	5	N	N N W	0-1		30.09	64	59	58	57	"	"	9	"
10	1	0	N.W.	N E x N	0-1		30.10	64	59	58	57	"	"	7	"
11	1	5	N N W.	N E x E	1-2		30.10	64	58	57	57	"	"	3	"
Mid.	2	5	N W x N	N E	1-2		30.10	64	58	57	57	"	"	2	"

Longitude by Chronometer from Afternoon Observations ⊙	72° 38' 00" W
Longitude by Chronometer from Observations Venus * 6.15 P. M	72° 12' 00" W
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by ☌ ☉ at 4 P. M.	13° 50' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday September 28th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cloudy with very light drizzling rain greater part of watch. Light breeze from the Nd gradually freshening. Took in and furled royals at 1.30 Aneroid barometer at the close 29.93. Jas W McCrimmon Master

4 to 8 A.M.

Cloudy and gloomy. Moderate breeze with occasional fresh puffs from North Moderate sea. At 7.45, tacked ship to Nd heading E N E on new tack Set mainsail. Aneroid barometer 29.96. Wainwright Robt Kellogg Lt

8 A.M. to Meridian.

Weather pleasant though cloudy. Gentle breeze from Nd. Smooth sea. At 9 cleared up 1st 1st sails, took in courses and spanker and got over target. At 9.05 went to quarters and fired at target with the two smooth bore IX guns and the 3 in B.L. Rifle At 10.25 tacked ship after making all plain sail, and stood for target which was last sight of when bearing about E by N and could not be found again. Expended in target practice 122 1/4 lbs cannon powder, 12 IX in shell and three (3) 3" B.L. Rifle shell. Aneroid barometer 29.99. Robt Arbuckle Lt.

Meridian to 4 P.M.

Clear and cool. Moderate breeze from N by E. Smooth sea. Barometer steady Aneroid at end of watch 29.99. Steering a course full and by on port tack. C.P.K. Lt

4 to 6 P.M.

Cloudy and cool. Moderate breeze from Nd. Smooth sea. Barometer steady. Went to quarters at 4.45. At 4.50 called all hands reef topsails. Took one reef in topsails and furled royals and flying jib. Aneroid barometer at the close 29.99 Sighted high land one point on stbd bow at 5.40. Jas W McCrimmon Master

6 to 8 P.M.

Clear and pleasant. Light decreasing breeze from N by E. Smooth sea. Bright starlight Aneroid rising 30.04 Wainwright Robt Kellogg Lt

8 P.M. to Midnight

Weather pleasant but damp. Light breeze from N N W to N E. Barometer steady. Clouds cirro cumulus. Smooth sea Hove ship at 8. Aneroid barometer 30.08 Robt Arbuckle Lt.

Moon's mid. Dec 11° 16' 46" N
Phase, Full moon.

Examined and found to be correct.

W. H. Parker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,

Making passage from Valparaiso to Iquique.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	4	NW	NNE.	2	1	30.09	63	59	58	57	oc	cum-nmb	0	S	
2	2	6	"	"	2	1	30.08	63	59	58	57	"	"	0	"	
3	4	5	NW½W	"	4	½	30.07	62	58	57	57	ocr	"	0	"	
4	3	0	WNW	N×E	2	½	30.07	62	57	56	57	"	"	0	"	
5	3	0	NW×W	"	2	½	30.08	62	57	56	56	bc	"	1	"	Took in main sail
6	2	0	WNW	"	2	½	30.10	62	57	56	56	"	"	1	"	
7	2	0	"	"	2	½	30.14	62	58	56	56	bcp	"	2	"	
5. 28 26' 8	1	0	"	"	1	½	30.16	62	58	57	56	"	"	2	"	
W 72°39' 9	1	0	NW×N	NE	2		30.14	63	58	57	56	"	"	3	"	
10	0	5	"	"	0-1		30.16	63	58	57	56	"	"	5	L	Shook out reefs in topsls
11	0	0	Hoisting away	Calm	0		30.17	65	58	59	56	bc	cu-str	9	"	Set mainsail, spanker
Noon.	—	—	"	"	0		30.17	65	64	59	56	"	"	9	"	royals & flying jib at 10

Distance run by Log since preceding Noon — 60 knots 4 tenths

Latitude by D. R. at Noon — 28° 24' 58" S'

Longitude by D. R. at Noon — 72° 29' 30" W

Latitude by Observations at Noon ⊙ — 28° 23' 18" S'

Longitude by Chronometer from Forenoon Observations ⊙ — 72° 40' 30" W

Current during the time 0.37 knots — fms. per hour, setting to the — West

327 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m — 13° 50' " E

Water expended during the preceding 24 hours — 590 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2400 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 42 " 276 "

P. M.															
1	0	5	NNW.	S	0-1	30.17	65	64	59	56	bc	cu-cum-str	8	S	
2	2	0	N	"	2	30.16	66	64	60	56	"	"	8	"	
3	2	5	"	"	2	30.15	66	64	60	56	"	"	8	"	
4	4	0	"	S×E	3	30.14	66	63	59	56	"	"	5	"	
5	3	0	"	S.S.E.	2	30.14	65	62	59	56	"	"	8	"	
6	4	0	"	"	2	30.13	63	62	59	56	"	"	6	"	
7	5	0	"	"	2	30.13	63	61	59	56	"	"	6	"	
9 28°00 W 72°36' 8	4	8	"	"	3	30.13	63	61	58	56	"	"	5	"	
9	5	0	N×E	SE×S.	3	30.14	63	60	58	56	"	"	9	"	
10	5	4	"	"	4	30.14	62	59	57	56	"	"	9	"	
11	5	8	"	"	4	30.14	63	59	57	56	b	—	10	"	
Mid.	6	0	"	"	4	30.14	63	59	57	56	"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 72° 48' 48" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by Az O at 4 P. m — 13° W. "

under the command of Commander A. S. Mc Cormick, U. S. Navy,

Friday September 29, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy with passing showers of rain. Wind variable and fitful Barometer steady. Aneroid at end of watch 30.08. Steering full and by.
R. C. Rees
L

4 to 8 A.M.
Cloudy and threatening with light drizzling rain quarter part of watch. Light variable airs between N and NE. Smooth sea. At 5.00 hauled up mainsail. A large steamer passed heading to Nd and Wd. Aneroid Bar. at the close 30.13
W. W. Brown
Master

8 A.M. to Meridian
Cloudy and threatening during part of watch but afterwards clear and calm. Exercised at fire quarters at 9.30. Set mainsail royals, flying jib and shook out reefs and wore ship to Sd at 10 a.m., heading NE x E on port tack. Barometer steady Aneroid at end of watch 30.12
Warming [illegible] Kellogg
Lt

Meridian to 4 P.M.
Clear and pleasant weather. A nice little breeze made from the Sd which increased gradually during the watch. Squared away and put ship on the course N and set all studdingsails both sides, taking in mainsail, spanker, fore topmast staysail and flying jib. Sea smooth, ship rolling easily to longswell from Sd and Wd. Barometer falling slowly. Clouds cirro cumulous and stratus. Aneroid barometer 30.08
Robinson
Nav. Robinson Lt.

4 to 6 P.M.
Clear and pleasant. Gentle breeze from SSE. Smooth sea. Bar. steady. Steering course N. Mustered at quarters at 4.45. Exercised at taking in and setting all studdingsails. Finished by taking in all port studdingsails. Aneroid Barometer at close 30.08
R. C. Rees Lt
6 to 8 P.M.
Pleasant weather bright starlight. Moderate breeze from SSE Smooth sea, Barometer steady. Aneroid barometer at close 30.09
W. W. Brown Master
8 to Midnight.
Clear delightful weather Light freshening breeze from SE by S. Smooth sea. At 8 Changed course to N by E at 9.07 moon rose. At 8.30 set the lee clew of mainsail. Aneroid 30.09
Warming [illegible] Kellogg
Lieut.

Moon 1 mid
Dec 17° 31' 20" N.
Phase. Full moon.

Examined and found to be correct.

W. H. Parker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,

Making passage from Valparaiso to Iquique.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	N×E	S×E	4		30.10	62	57	59	56	b.c.	cir	9	S	All plain sail except flying jib & stay sail. Ld
2	6	5-	"	"	4		30.09	62	57	59	56	"	"	9	"	Stbd studding sails
3	6	5-	"	"	4		30.08	63	58	58	56	"	cir cum	8	"	
4	6	5-	"	"	4		30.08	63	67	58	56	"	"	7	"	
5	6	8	"	"	4		30.08	62	68	57	56	"	"	5-	"	
6	6	0	"	"	4		30.08	62	58	57	56	"	"	5-	"	
7	6	0	"	"	4		30.09	62	58	57	56	o-c	"	0	"	
S 26°5 3 8	6	0	"	"	4		30.11	62	59	57	56	"	"	0	"	
W 72°01 9	5-	8	"	"	4		30.12	62	59	57	56	"	"	0	"	
10	6	6	"	"	5-		30.13	63	60	57	56	"	"	0	"	
11	7	0	"	"	5-		30.13	63	60	58	56	"	"	0	"	
Noon.	6	8	"	"	5-		30.13	63	62	59	57	"	"	0	"	

Distance run by Log since preceding Noon — 124 knots 5- ~~6- knots~~

Latitude by D. R. at Noon — 26 · 29 · 00" S

Longitude by D. R. at Noon — 71 · 48 · 00 W

Latitude by Observations at Noon ⊙ — 26 · 28 · 06" S

Longitude by Chronometer from Forenoon Observations ⊙ — · ' "

Current during the time knots fms. per hour, setting to the

327 Variation of the Compass by Amplitude ⊙ observed at Sunrise — · ' "

Variation of the Compass by Azimuth ⊙ observed at — · ' "

Water expended during the preceding 24 hours — 330 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2100 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 41 " 2216 "

P. M.																
1	6	2	N	S×E	5-		30.15	63	62	59	57	o.c.	cir cum	0	S	Set port studs'ls
2	6	0	"	"	5-		30.20	63	63	59	57	"	"	0	"	Took in main sail
3	6	0	"	"	5-		30.19	63	63	59	57	"	cir nimb	0	"	
4	6	0	"	"	5-		30.17	62	61	59	57	"	"	0	"	
5	5-	5-	"	"	4		30.14	62	61	58	57	"	cum nimb	0	"	
6	5-	5-	"	"	4		30.11	61	60	57	57	"	"	0	"	
7	6	0	"	"	4		30.10	61	60	57	57	"	"	0	"	
S 25°42 8	5-	5-	"	"	4		30.10	61	60	57	56	"	"	0	"	
W 71°35 9	5-	4	"	"	4		30.10	65	60	57	58	"	"	0	"	
10	5-	0	"	"	3		30.10	65	60	57	58	"	"	0	"	
11	5-	0	"	"	3		30.11	64	60	57	58	oc p	"	0	"	
Mid.	5-	2	"	"	3		30.10	64	60	57	58	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — · ' "

Longitude by Chronometer from Observations * — · ' "

Variation of the Compass by Amplitude observed at Sunset — · ' "

Variation of the Compass by at — · ' "

under the command of Commander A. H. Mc Cormick, U. S. Navy,

Saturday September 30, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Weather clear and pleasant. Moderate breeze from S x E. Barometer falling slowly. Smooth sea. Bright moon and starlight Comet in sight bearing about E. Aneroid barometer 30.04.

Robeson
Navl Acdmy, Lt.

4 to 8 A.M.
Clear at beginning of watch with bright moonlight, the comet in the E showing large and brilliant. Afterwards overcast and damp Fresh breeze from S x E. Smooth sea. Steering a course N by E. Aneroid at end of watch 30.08

Reed
Lt

8 A.M. to Meridian.
Overcast cloudy and cool. Fresh breeze from S by E. Smooth sea. Barometer steady. Aneroid barometer at the close 30.08

Fred W. Swan
Master

Meridian to 4 P.M.
Overcast and cool. Fresh breeze from S by E. At 12 m Changed course to N. At 12.30 took in mainsail and set all foretopsails. Barometer steady. Aneroid at end of watch 30.06. Patent log read 33.

Wainwright Kellogg
Lt

4 P.M. to 6 P.M.
Weather cloudy but pleasant. Moderate breeze from E x S Barometer falling. Clouds cumulous and nimbus. Sea smooth. Ship's Bade Took in all fore studdingsails

Robeson
Navl Acdmy Lt.

U.S.S. "Essex." 3d Rate
At sea. Sept 30. 1882

Comdr
A. H. McCormick. U.S.N.
Commanding.

Sir:

We recommend that John J. Chamberlain, Julius Hartman, William Mullin, Stephen P. Smallfield, and William Simpson. 1c Boys. be rated Ordinary Seamen, 2d Cl.

Very respectfully

Wainwright Kellogg Lieut
Navl Acdmy Lieut } Examining
Lieut } Board.

breeze from S x E
id at end of watch
Reed
Lt

izzling rain latter
barometer at close

Swan
Master

W. H. Parker
Navigator.

under the command of Commander A. S. Mc Cormick, U. S. Navy,

Saturday September 30, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Weather clear and pleasant. Moderate breeze from S x E. Barometer falling slowly. Smooth sea. Bright moon and starlight Comet in sight bearing about E. Aneroid barometer 30.04.
Rohrer
Mate Asiatic Sta.

4 to 8 A.M.
Clear at beginning of watch with bright moonlight, the comet in the E showing large and brilliant. Afterwards overcast and damp. Fresh breeze from S x E. Smooth sea. Steering a course N by E. Aneroid at end of watch 30.08
Chas. Rees
Quartermaster

8 A.M. to Meridian.
Overcast cloudy and cool. Fresh breeze from S by E. Smooth sea. Barometer steady. Aneroid barometer at the close 30.08
Irwin
Master

Meridian to 4 P.M.
Overcast and cool. Fresh breeze from S by E. At 12 M changed course to N. At 12.30 took in mainsail and set all port stunsls. Barometer steady. Aneroid at end of watch 30.06. Patent log read 33.
Maining
Lt

4 P.M. to 6 P.M.
Weather cloudy but pleasant. Moderate breeze from E x S Barometer falling. Clouds cumulous and nimbus. Sea smooth. Ship steady. Took in all port studdingsails Aneroid barometer 30.06
Rohrer
Mate Asiatic Sta.

6 to 8 P.M.
Overcast and pleasant. Moderate breeze from S x E Smooth sea. Barometer falling. Aneroid at end of watch 30.08
Chas Rees
Q.M.

8 P.M. to Midnight.
Overcast and cloudy with light drizzling rain latterpart. Barometer steady. Aneroid barometer at close of watch 30.08.
Irwin
Master

Moon 1 mi 2 Examined and found to be correct.
Dec 19° 31' 31" N.
Phase Full moon

W. D. Parker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,

Making passage from Valparaiso to Iquique.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	2	N	S × E	4		30.15	60	58	57	59	o c d	nimb	0	S	Plain sail, t'gs royals & sk
2	4	6	"	"	3		30.14	60	59	57	60	"	"	0	"	spanker, stays'ls & jib
3	4	4	"	"	3		30.14	62	59	57	60	"	"	0	"	All stbd studdingsails
4	4	0	"	"	3		30.16	63	59	57	60	"	"	0	"	
S. 25°.00 5	4	0	"	"	3		30.16	63	60	57	60	"	cirrus & nimb	0	"	
W. 71°.24 6	3	5	"	"	3		30.18	63	60	57	60	"	"	0	"	
7	4	0	"	S	3		30.19	63	59	56	60	o c	"	0	"	Set Port stdd sails
S. 24 47' 8	5	0	"	"	4		30.20	62	59	56	60	"	"	0	"	
W. 71°.21 9	4	4	"	"	3		30.20	62	59	56	60	"	"	0	"	
10	5	0	"	"	4		30.20	63	60	57	60	"	Cu cum	0	"	
11	5	0	"	"	4		30.19	63	60	57	60	"	"	0	"	
Noon.	5	2	"	"	4		30.18	63	62	57	60	"	"	0	"	

Distance run by Log since preceding Noon — 121 knots 6 fathoms

Latitude by D. R. at Noon — 24 ° 27 ' 06 " S

Longitude by D. R. at Noon — 71 ° 16 ' 15 " W

Latitude by Observations at Noon ⊙ — 24° 22' 00" S

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

305 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1800 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 41 " 1956 "

P. M.															
1	5	6	N	S × W	4		30.16	64	63	57	59	b c	ci stri	1	L	Same
2	6	0	"	"	4		30.13	64	63	58	59	"	"	1		
3	5	8	"	"	4		30.14	64	63	58	59	o c	"	0	"	
4	5	6	"	"	4		30.13	65	63	58	59	"	"	0	"	
5	5	6	"	"	4		30.17	64	62	58	59	"	"	0	"	Took in stbd studdingsails
6	5	6	"	"	4		30.20	64	60	56	59	"	"	0	"	
7	5	0	N × W	"	4		30.16	66	61	56	59	"	ci cum & cum	0	"	
S. 23°.89' 8	5	5	"	"	4		30.13	66	61	56	59	"	"	0	"	
W. 71°.08 9	4	8	"	"	3		30.13	65	61	57	59	"	"	0	"	
10	4	4	"	"	3		30.13	64	61	57	59	"	"	0	"	
11	4	0	"	"	2		30.14	63	61	57	59	"	"	0	"	
Mid.	3	8	"	S × E	2		30.15	63	61	57	60	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday October 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy. Occasional light drizzle. Light breeze from South Smooth sea. Aneroid 30.10.

Manning W. Kellogg
Lt

4 A.M. to 8 A.M.
Weather pleasant but cloudy. Gentle breeze from S to S x E. Smooth sea. Barometer rising slowly. Clouds cumulus and mixture. Set all port studding sails at 6.30. A brigantine in sight on starboard bow standing to Nd. A sail reported from aloft two points on port bow. Aneroid barometer 30.14

Thad Watson, Lt

8 A.M. to Meridian.
Cloudy and pleasant. Gentle breeze from Sd. Called all hands to muster at 9.15. Barometer nearly steady. Aneroid at end of watch 30.10.

E P Kelly
Lt

Meridian to 4 P.M.
Overcast cloudy and cool. Moderate breeze from S x W Long swell and ship rolling easily. Barometer falling slowly Aneroid barometer 30.08

W H Simmons
Steerage Master

4 P.M. to 6 P.M.
Cloudy and pleasant. Light to moderate breeze from South At 6.00 changed course to N x W. Took in all starboard studdingsails. Aneroid barometer 30.05

Manning W. Kellogg
Lt

6 P.M. to 8 P.M.
Weather pleasant but cloudy. Barometer falling. Clouds cirro cumulus and cumulus. Moderate breze from the S x W. Aneroid barometer 30.09

Thad Watson, Lt.

8 P.M. to Midnight.
Weather, overcast and damp. Gentle breze from S x W Smooth sea. Barometer steady. Aneroid at end of watch 30.09.

E P Kelly
Lt

Moon's mid. Examined and found to be correct.
Dec 20° 34' 48" N.
Phase. Full moon.

T. H. Parke
Lt Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,
Making passage from Valparaiso to Iquique

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	8	N×W	S	2		30.13	62	62	58	69	o c p	Cum-strat	0	L	All plain sail except
2	3	8	"	"	2		30.10	62	62	57	69	o c	"	0	"	main sail, jib, fore
3	3	8	"	"	3		30.10	62	61	57	59	"	"	0	"	& stunsails.
4	4	8	"	"	3		30.09	62	61	57	59	"	"	0	"	
5	4	6	"	"	3		30.11	62	61	57	59	"	"	0	"	
6	4	0	"	"	3		30.12	63	61	58	59	b c	"	1	"	
7	3	6	N×E	"	3		30.13	63	61	58	59	"	"	1	S	Set stbd stunsails
22 52 S 8	5	4	"	"	4		30.15	64	61	58	69	"	"	1	"	
71 03 W 9	5	5	"	"	4		30.15	64	62	57	59	o c	"	0	"	
10	5	0	"	"	4		30.15	64	62	57	59	"	"	0	"	Took in P. stunsails
11	4	0	"	S×E	3		30.13	64	62	58	59	"	"	0	"	Set main sail
Noon.	3	0	"	"	2		30.13	64	62	58	58	"	"	0	"	

Distance run by Log since preceding Noon — 113 knots 6 tenths.
Latitude by D. R. at Noon — 22 · 37 · 17" S
Longitude by D. R. at Noon — 70 · 56 · 15" W
Latitude by Observations at Noon ⊙ — 22 · 27 · 41" S
Longitude by Chronometer from Forenoon Observations ⊙ — · · "
Current during the time knots fms. per hour, setting to the
305 Variation of the Compass by Amplitude ⊙ observed at Sunrise — · · "
Variation of the Compass by Azimuth ⊙ observed at — · · "
Water expended during the preceding 24 hours — 350 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1450 "
Coal consumed during the preceding 24 hours — tons 900 lbs.
Coal remaining on hand at Noon — 41 " 1056 "

P. M.															
1	3	5	N×E	S×E	2	30.12	64	62	58	58	o c	ai cum & cum	0	S	
2	4	4	"	"	3	30.10	64	63	59	58	"	"	0	"	
3	4	4	"	"	3	30.09	64	63	59	58	"	"	0	"	
4	4	8	"	"	3	30.08	64	63	59	60	"	"	0	"	
5	4	4	"	"	3	30.14	65	63	58	59	"	"	0	"	
6	4	6	"	"	3	30.16	65	63	58	59	"	"	0	"	
7	4	4	N	"	3	30.14	67	63	58	59	"	"	0	"	
21 57 S 8	4	4	"	"	3	30.12	64	63	57	59	"	"	0	"	
70 53 W 9	2	0	"	"	1	30.14	64	64	59	59	"	"	0	"	
10	1	5	"	"	1	30.18	64	65	60	59	"	"	0	"	
11	1	5	"	"	1	30.17	64	65	60	59	"	"	0	"	
Mid.	2	0	"	S W.	1	30.17	65	62	59	60	"	"	0	"	Took in Stbd stunsails

Longitude by Chronometer from Afternoon Observations ⊙ — 70 · 58 · 00" W
Longitude by Chronometer from Observations * — · · "
Variation of the Compass by Amplitude observed at Sunset — · · "
Variation of the Compass by at — · · "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday October 2nd, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.
Overcast and cloudy. Light breeze from Sd freshening latter part. Barometer falling. Aneroid barometer at the close 30.06.

C. H. Rees
1st

4 A M to 8 A M
Cloudy and pleasant. Light breeze from S. Smooth sea. At 6.15 changed course to N x E. Set all stbd studdingsails. Pat log read 17.5 miles Land in sight on stbd beam Two sails in sight at end of watch. Aneroid 30.10. Pat log at end of watch

W. Winnington-Ingram
Lieut

8 A M to Meridian.
Weather cloudy but pleasant. Barometer falling. Light to moderate breeze from S to S x E. At 9.15 mustered and inspected crew at quarters and exercised 1st Div. at great guns, 2d Div. at single sticks, 3d Div. and Powder Div at small arms. By order of Comdg officer, released Jas Nolen (OS) from confinement. Passed a brigantine on our starboard hand. Sighted land on stbd beam at 8.30. At 10, the wind Coming out on the stbd quarter, took in all port stunsails and braced up a point by port braces. Aneroid barometer 30.05

Harl Roberts, Lt.

Meridian to 4 P M.
Weather cloudy and pleasant. Gentle breeze from S x E. Smooth sea Barometer falling Aneroid at end of watch 30.01.

C. H. Rees

4 P M to 6 P M.
Cloudy and cool. Light to moderate breeze from S x E hauling to SE Braced up by port braces at 5.30 and set weather clew of main sail. Aneroid Bar. at Close 30.04

W. M. Simms
Master

6 P M to 8 P M.
Cloudy and pleasant with light breeze from S x E. Smooth sea At 6.15 changed course to N. Aneroid 30.06.

W. Winnington-Ingram
Lieut

8 P M to Midnight
Weather pleasant though cloudy. Light breeze from S x E & S'ly. Barometer rising Clouds cirro cumulus and Cumulus. Sea smooth. At 11.30 took in stbd stunsls and braced up a couple of points by stbd braces, the wind coming out from S'ly. Aneroid barometer 30.09

Harl Roberts, Lt.

Moon's mid. Dec. 20° 16' 17" N
Phase, Full moon

Examined and found to be correct.

W. T. Barker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Valparaiso. Chili. to Iquique. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	8	N.	S.W.	1		30.17	65	63	60	60	o c m	Ci Cumm 3 Cumm	0	L	
2	3	0	"	"	2		30.17	64	63	60	60	"	"	0	"	
3	3	0	"	"	2		30.17	64	62	59	60	"	"	0	"	
4	3	4	"	S.	2		30.16	64	62	59	60	o r d	"	0	"	
5	3	4	"	"	2		30.15	64	62	58	59	"	Cumm min	60	"	
6	1/4	6 4	N × E.	"	2		30.15	64	62	58	59	"	"	0	"	
7	2	4	"	"	2		30.18	64	62	59	59	"	"	0	"	
5 21°32' 8 W	3	0	"	"	3		30.20	64	61	60	60	"	"	0	"	Set all sail to studgls
70°47 9	2	0	"	"	1		30.21	66	62	60	60	b c f	"	8	"	
10	1	0	N	"	1		30.21	66	62	60	60	"	"	4	"	
11	0	5	N N E.	"	1		30.20	69	65	61	60	o c	"	8	"	Set all sail to studgls
Noon.	2	0	"	"	2		30.20	69	67	63	60	"	"	9	"	" " Stbd "

Distance run by Log since preceding Noon 71 knots 4 lengths fathoms.

Latitude by D. R. at Noon 21 ° 21 ' 47 " S

Longitude by D. R. at Noon 70 ° 42 ' 00 " W

Latitude by Observations at Noon ⊙ 21 ° 27 ' 13 " S

Longitude by Chronometer from Forenoon Observations ⊙ 70 ° 45 ' 00 " W

Current during the time knots fms. per hour, setting to the —

305 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. a. m. 18 ° 30 ' " E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1100 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 41 " 756 "

P. M.															
1	2	5	N N E.	S × W.	3		30.18	69	67	63	59	b c	Ci Cumm 3 min b	6	L	
2	3	5	"	"	3		30.15	69	67	63	59	"	"	5	"	
3	4	0	"	S	3		30.12	68	66	62	59	"	"	4	"	
4	5	0	"	"	4		30.10	68	66	62	59	"	"	1	"	
5	4	8	"	"	4		30.10	67	66	62	59	"	"	1	"	Took in all Studgls.
6	4	4	N.	"	4		30.10	67	66	62	59	o c d	"	0	"	
7	4	5	"	"	4		30.12	69	65	62	59	o c	"	0	"	
5 20°56 8 W	4	4	"	"	4		30.14	68	65	62	59	"	"	0	"	
70°30' 9	4	0	"	"	4		30.17	67	65	62	59	o c d	"	0	"	
10	3	4	"	"	3		30.16	66	65	61	59	o c	"	0	"	
11	3	6	"	"	3		30.19	65	65	61	59	"	"	0	"	
Mid.	3	2	"	"	3		30.19	66	65	61	59	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, October 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and misty with light drizzling rain last hour of watch, Barometer steady. Aneroid at end of watch 30.08.

T. Lieutenant

4 to 8 A.M. Overcast cloudy and rainy. Light variable airs from S., freshening last hour. Barometer rising. Set starboard studdingsails at 7.30, A sail in sight on starboard quarter. Changed course at 8.30 to N by E. patent log reading 88 miles. Aneroid barometer 30.13.

W. W. Smith
Master.

8 A.M. to Meridian. Cloudy and rainy during first part of watch then clear and warm with light breeze from S.S.W. Mustrid at quarters at 9.15 and inspected bags. At 11. set starboard studdingsails and at 11.30 set port studdingsails. Changed course to N.N.E. at 10. Barometer steady, Aneroid bar. 30.08.

Wainwright Keeney Lieutenant

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Light to moderate breeze from S. to S. by W. Clouds cirro cumulus and nimbus. Sighted a sail on starboard quarter Land in sight ahead on starboard bow and beam, Aneroid barometer 30.03.

Ward Robey Lieutenant

4 to 6 P.M. Cloudy and pleasant. Gentle breeze from S.W. Smooth sea, Barometer steady. Mustered at quarters at 4.45. Called all hands shorten sail at 4.50. Took in studdingsails, furled mainsail and made preparations for steaming. Changed course at 5. to North. Aneroid at end of watch 30.08.

T. P. Ross Lieutenant

6 to 8 P.M. Cloudy and cool. Moderate breeze from S.W., Barometer steady. Aneroid barometer 30.10.

W. W. Smith
Master

8 P.M. to Midnight, Cloudy. Pleasant. Light breeze from S.W., Smooth sea. Patent-log at end of watch read 45 miles. Aneroid 30.10.

Wainwright Keeney Lieutenant

Moon's mid. Examined and found to be correct.
Dec 18° 55' 13" N
Phase. Last quarter

W. J. T. Parker
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Valparaiso Chile, to Iquique, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	N.	S.	1		30.16	66	65	62	60	c c	Cirrus	0	S	
2	1	5	"	"	1		30.16	66	65	62	60	"	"	0	"	
3	1	5	"	"	1		30.17	66	65	62	60	"	"	0	"	
4	1	0	"	S.E.	0-1		30.17	66	65	62	60	"	"	0	"	
5	3	11	"	Calm	0		30.19	66	64	61	60	"	"	0	"	
6	4 3/4	6	N.N.E.	S.E.	1		30.21	66	63	61	60	"	"	0	"	
5 20° 12' 7	4 4	6	N.N.E. 2 1/2 E. NE.	"	1		30.22	66	63	61	60	"	"	0	"	
2 W 70° 11' . Anchored			"	"	1		30.22	66	63	61	60	"	"	0	"	
9	"		S.W.+W.	S.W.	1		30.21	66	64	60		"	"	0	"	
10	"		S.W.	S	1		30.21	66	63	61		"	"	0	"	
11	"		"	S.	1		30.22	65	63	60		"	"	0	"	
Noon.	"		"	S.	1		30.21	65	63	61		"	"	0	"	

Distance run by Log since preceding Noon 72 knots 9 tenths fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 800 "

Coal consumed during the preceding 24 hours 3 tons 980 lbs.

Coal remaining on hand at Noon 37 " 2016 "

P. M.															
Anchored			S.W.	S.	1		30.20	66	63	61		lc	Cirrus	3	S
2	"		"	"	1		30.19	66	63	61		"	"	6	"
3	"		"	"	1		30.17	66	63	61		"	"	8	"
4	"		"	"	1		30.17	66	63	61		"	"	6	"
5	"		"	"	1		30.17	66	65	61		"	Cirrus Cumulus	3	"
6	"		"	"	1		30.17	65	64	60		"	"	1	"
7	"		"	"	2		30.17	65	63	60		"	Cumulus	1	"
2 8	"		"	"	2		30.19	65	63	60		"	"	3	"
9	"		"	"	2		30.22	65	64	60		"	"	2	"
10	"		"	"	2		30.22	65	63	60		"	"	2	"
11	"		"	"	2		30.20	65	62	60		lc	"	0	"
Mid.	"		"	"	2		30.20	64	62	59		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. S. McCormick, U. S. Navy,

Wednesday, October 4th, 18 82

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Barometer steady. Clouds cumulus and nimbus. Light breeze from S. to S.E. At 1 started fires under four boilers At 3.30 coupled screw and began to take in sail. Aneroid barometer 30.10

Richard Robertson, 2d Lieut

4 to 8 A.M. Weather overcast and pleasant. Light variable airs and calms Barometer rising. Furled all sail at 4 O'clock Started ahead at 4.30, shaping course North and afterwards changing as required to make a channel. At 7 made signal 0444. the "Lackawanna" lying in the harbor answered 086. Made Interrogatory 1211. the "Lackawanna" answered 1212. Came to at 7.30 in ten fathoms of water and veered to 30 fathoms of starboard chain. Made signal, Interrogatory 6071. the "Lackawanna" answered 9014. Sent up royal yards. An officer of H.B.M.S. "Swiftsure" came alongside and offered the usual civilities. Aneroid at end of watch 30.14

C. P. Rae Lieut

8 A.M. to Meridian. Overcast and cloudy. Light breeze varying from S.W. to S. Received visits from the Commanding Officers of H.B.M.S. "Swiftsure" and "Merlin" also from the Captain of the Port. Sent out a hedge on port quarter with five inch manilla hawsers to keep ships head up to the sea. Started distilling fresh water. Hauled fires in both port boilers. Aneroid barometer at the close 30.11.

W. M. Emmons

Master

Meridian to 4 P.M. Weather cloudy with light breeze from S., Received a visit from the U.S. Consul and sent an officer to return the official call of H.B.M.S. "Swiftsure". Got starboard after torpedo boom on board and cut it up. A Chilian steamer came into the harbor from the N. Barometer steady. Aneroid barometer 30.09. Winninghe Keeney

COR Lieut

4 to 8 P.M. Pleasant weather. Light southerly breeze. Barometer steady Went to quarters at 5.15. Made preparations for coaling ship. Aneroid barometer 30.12.

W. M. Emmons

Master

8 P.M. to Midnight. Cloudy and pleasant, Light breeze from S. Aneroid 30.12. Distilling. Winninghe Keeney

COR Lieut.

Moon's mid Examined and found to be correct.
Dec 16° 41' 21" N
Phase. Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Iquique. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.W.	S.	1		30.15	64	62	59		oc	Cum. Numb	0	S.	
2	"		"	"	1		30.17	64	62	59		"	"	0	"	
3	"		"	"	1		30.18	64	62	59		"	"	0	"	
4	"		"	"	1		30.16	64	62	59		"	"	0	"	
5	"		"	"	1		30.17	65	62	59		"	"	0	"	
6	"		"	"	1		30.17	64	62	59		"	"	0	"	
7	"		"	"	1		30.18	64	62	59		"	"	0	"	
8	"		"	"	1		30.19	64	62	59		"	"	0	"	
9	"		"	"	1		30.19	64	62	59		"	"	0	"	
10	"		"	"	1		30.20	64	64	60		"	"	0	"	
11	"		"	Calm	0		30.20	64	64	60		"	"	0	"	
Noon.	"		"	"	0		30.20	64	64	60		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	°	′	″	
Longitude by D. R. at Noon	°	′	″	
Latitude by Observations at Noon ⊙	°	′	″	
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″	
Current during the time knots fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″	
Variation of the Compass by Azimuth ⊙ observed at	°	′	″	
Water expended during the preceding 24 hours	300	gallons.		
Water during the preceding 24 hours	1000	"		
Water remaining on hand fit for use at Noon	1500	"		
Coal consumed during the preceding 24 hours	2 tons	1120	lbs.	
Coal remaining on hand at Noon	35 "	1596	"	

P. M.																
1	"		S.W.	S	1		30.16	67	63	59		bc	Ci cum	3	"	
2	"		"	"	1		30.13	67	63	60		"	"	3	"	
3	"		"	"	1		30.13	67	63	60		oc	Cum Numb	0	"	
4	"		"	"	1		30.13	67	63	60		"	"	0	"	
5	"		"	"	2		30.14	66	63	60		"	"	0	"	
6	"		"	"	2		30.14	66	63	60		"	"	0	"	
7	"		"	"	2		30.16	66	63	60		"	"	0	"	
8	"		S.W.×W.	"	1		30.16	66	63	60		"	Ci cum Numb	0	"	
9	"		S.W.	"	1		30.17	66	65	60		"	"	0	"	
10	"		"	"	1		30.17	66	65	60		"	"	0	"	
11	"		"	"	1		30.17	66	65	60		"	"	0	"	
Mid.	"		"	"	1		30.17	66	65	60		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday October 5th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant but cloudy. Barometer rising. Clouds cumulus and nimbus. Light breeze from S. Distilling watts. Aneroid barometer 30.10.

Hart Robertson Lieut

4 to 8 A.M. Overcast and cloudy. Light breeze from S., Barometer steady. Aneroid barometer at the obse. 30.13. The Captain of an American barque came on board to compare his chronometers.

W. M. Dennis Master

8 AM to Meridian. At 9. "Lackawanna" got underway and stood out of harbor. At 9.15 "Lackawanna" made signal (tel) 1160 11. This ship made signal (tel) 7220 and 066. Cloudy and pleasant. Light breeze from S. At 9. Commenced coaling ship. Received at end of watch about 30 tons. Commanding Officer left the ship to pay official visits. A French corvette came in and anchored. Sent an officer to board her. Aneroid 30.11.

Wainwright-Kellogg Lieut

Meridian to 4 P.M. Weather pleasant but cloudy. Barometer falling. Clouds cirro-cumulus, cumulus and nimbus. Light breeze from S. Coaling ship. Distilling water. Aneroid barometer 30.06. Commanding Officer paid official visits on shore and on board the French gunboat Linois.

Hart Robertson Lieut

4 to 8 P.M. Cloudy. Pleasant. Light breeze from S. At 6. English flagship "Swiftsure" and corvette "Melpine" got underway and stood out of harbor to the N. At end of watch had received about 80 tons of Coal. Aneroid 30.12.

Wainwright-Kellogg Lieut

8 P.M. to Midnight Weather cloudy but not unpleasant. Barometer rising. Clouds Cirro cumulus and nimbus. Light breeze from S. Distilling waters. Aneroid barometer 30.09.

Hart Robertson Lieut

Mean Chron Examined and found to be correct.
Dec. 13° 14' 32" N
Phase. Last quarter.

W. H. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Iquique. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.W.×W.	S.W.	1		30.13	65	63	57		00	Cumulus Stratus	0	8	
2	"		S.W.	S.	1		30.10	65	63	58		"	"	0	"	
3	"		S.W.×W.	S.W.	1		30.08	64	63	58		"	"	0	"	
4	"		"	S.	1		30.07	64	63	58		"	"	0	"	
5	"		"	"	1		30.11	64	63	58		"	"	0	"	
6	"		"	"	1		30.11	64	63	58		"	"	0	"	
7	"		"	"	1		30.13	64	63	58		"	"	0	"	
8	"		"	"	1		30.15	64	62	57		"	"	0	"	
9	"		"	"	1		30.17	65	62	57		"	"	0	"	
10	"		"	"	1		30.17	65	62	57		bc	Cir cum	5	"	
11	"		"	"	1		30.17	65	62	57		"	"	5	"	
Noon.	"		"	"	1		30.17	67	63	58		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water distilled during the preceding 24 hours — 1700 "

Water remaining on hand fit for use at Noon — 2900 "

Coal consumed during the preceding 24 hours — 1 tons 1760 lbs.

Coal remaining on hand at Noon — 138 " 966 "

P. M.																
1	"		S.W.	S.W.	1		30.11	67	63	58		bc	Cir cum	7	"	
2	"		"	"	1		30.12	68	63	58		"	"	6	8	
3	"		"	"	1		30.10	69	63	58		"	"	3	"	
4	"		"	"	1		30.08	69	65	60		"	"	1	"	
5	"		S.W.×W.	"	1		30.07	69	63	59		oc	Cumulus	0	"	
6	"		"	"	1		30.06	67	63	59		"	"	0	"	
7	"		"	"	1		30.10	67	63	59		"	"	0	"	
8	"		"	"	1		30.10	67	63	59		"	"	0	"	
9	"		S.W.	W.	0-1		30.12	67	63	59		"	"	0	"	
10	"		"	"	0-1		30.14	67	63	59		"	"	0	"	
11	"		W.	"	0-1		30.14	66	63	59		"	"	0	"	
Mid.	"		"	"	0-1		30.14	66	63	58		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday October 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Overcast and pleasant, Light airs from S^E and W^d, Barometer falling. Aneroid at end of watch 30.05.

C. P. Rhes Lieut

4 to 8 A.M. Cloudy, Pleasant, Light breeze from S^E. Finished coaling ship, received on board 1041 1474/2240 tons. Aneroid 30.12.

W. Winnington-Ingram Lieut

8 A.M to Meridian. Engaged in cleaning ship and crew. Light airs from S. Barometer steady. Cirro cumulus clouds. Distilling water. An English barque got underway and went to sea, Aneroid barometer 30.04.

Hamilton Rowan, Lieut

Meridian to 4 P.M. Weather clear and warm. Light airs from S^E and W. Barometer steady. James Nolen O.S. deserted from boat and remained on shore: offered a reward of 10^{00} to police authorities for his apprehension and delivery on board. Aneroid barometer at the close 30.04.

C. P. Rhes Lieut

4 to 8 P.M. Weather pleasant but cloudy. Barometer rising. Clouds cumulus and nimbus. Light airs from S.W. Distilling water. Mustered crew at quarters at 5.15. and found James Nolen O.S. absent without leave. Hoisted smoke stack, and made preparations for going to sea. Aneroid bar. 30.04

Hamilton Rowan, Lieut

8 P.M to Midnight, Weather overcast. Light airs from S^E and W^d, Barometer rising. Aneroid at end of watch 30.04.

C. P. Rhes Lieut

Moon's mid. Dec. 10° 18' 01" N.
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor and making passage from Iquique to Arica, Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	N.	1		30.10	66	61	58		oc	Cir cumu & mumb	0	L	
2	"		"	"	1		30.10	66	63	58		"	"	0	"	
3	"		"	"	1		30.10	66	62	58		"	"	0	"	
4	"		"	N.N.W.	1		30.11	66	62	57		"	"	0	"	
5	"		N.N.W.	N.N.E.	1		30.08	64	61	56		"	"	0	L.	
6	"		N.N.E.	"	1		30.08	64	60	55		"	"	0	"	
7	"		N.E.+E.	"	1		30.11	64	60	55		bc	cir cumu	3	"	
8	"		E.	N.E.	1		30.13	64	61	56		"	"	3	"	
9	Underway		"	"	1		30.13	68	63	57		"	"	6	"	
10	2	0	N.N.	N.N.W.	1		30.14	66	63	57	63	"	"	6	"	
11	3	6	"	"	1		30.14	67	63	57	63	"	"	6	"	
Noon.	3	0	"	"	1		30.14	67	63	57	63	"	"	7	"	

Distance run by Log since preceding Noon — 8 knots 6 ~~fathoms~~ tenths

Latitude by D. R. at Noon — 20 ° 08 ' 42 S

Longitude by D. R. at Noon — 70 ° 19 ' 15" W

Latitude by Observations at Noon ⊙ — 20 ° 04 ' 00 S'

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

305 Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 400 gallons.

Water Distilled during the preceding 24 hours — 200 "

Water remaining on hand fit for use at Noon — 2700 "

Coal consumed during the preceding 24 hours — 2 tons 2020 lbs.

Coal remaining on hand at Noon — 135 " 1176 "

	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	P. M.																
	1	3	8	N.N.W. N.	N.N.W.	1		30.10	67	67	61	63	bc	Cir cumu mumbs	3	"	Made plain sail to royals except main sail, spanker & topsail FS Main stay sail and jibs
5 20° 00	2	4	0	N.N.W.	S.	1		30.08	67	68	62	61	"	Cirrus	5	"	Set starb'd studs'l on upper studs'l
70° 21 W	3	1	0	"	-	0-1		30.06	66	68	62	61	bc	"	7	"	
	4	1	2	"	S+E.	0-1		30.05	66	68	62	61	"	"	7	"	
	5	1	4	"	S.W.	1		30.06	68	67	60	61	"	"	8	"	Took in studs'ls
	6	1	4	"	"	1		30.07	67	67	60	61	"	"	8	"	
	7	1	2	"	"	1		30.10	67	67	60	61	"	"	2	"	
5 19° 51 W	8	0	8	"	W.	1		30.10	67	67	60	61	"	"	1	"	
70 27	9	1	5	"	S.W.	1		30.10	65	67	60	61	"	"	1	"	
	10	1	5	"	"	1		30.10	65	63	58	61	"	"	1	"	
	11	1	5	"	W.S.W.	1		30.10	65	63	58	61	"	"	1	"	
	Mid.	1	5	"	"	1		30.10	65	63	58	61	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 70 ° 26 ' 15" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, October 7th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Light breeze from N.E. Smooth swell from seaward and ship rolling moderately. Stopped distilling and banked fires at 200. Aneroid barometer 30.00.

C. W. McCormick
Master

4 to 8 A.M. Weather pleasant but cloudy. Barometer rising. Light breeze from N.N.E. Clouds cirro-cumulus, cumulus and nimbus. Fires banked under two boilers. Made preparations for getting underway and going to sea. Daniel McKinnon, Sea, left 1st whaleboat without purchase inside while ashore as market boat. Aneroid barometer 30.05.

Harold Osborn
1st Lieut

8 A.M. to Meridian. Weather clear and pleasant. Light variable airs. Barometer steady. Called all hands up anchor at 8.50. Got underway and steamed out of harbor at 9.07. bound for Arica, Peru. At 9.34 took departure Lighthouse bearing S.S.E. distance one mile. Put over patent log showing 69.7 Ships draft forward 14 ft. aft 15 ft 11 in. Aneroid at end of watch 30.04.

J. P. Rees
Lieut

Meridian to 4 P.M. Cloudy and warm. Light variable airs. Let steam run down at 1.40 unconnected propellor and hauled fires. At 2.12 changed course to N. patent log reading 83 miles. Changed course at 4 to N.N.E. patent log reading 88 3/4 miles. At 4.45 called all hands make sail. made plain sail to royals except mainsail. At 300 braced up by portbraces and set all starboard studdingsails except lower studdingsail. At 3.30. laid the yards square. Aneroid barometer 29.98.

C. W. McCormick
Master

4 to 8 P.M. Clear and pleasant at beginning of watch cloudy latter part. Took in starboard studdingsails at 4.30. Mustered at quarters at 4.35. Wind light and variable. Barometer rising. Aneroid at end of watch 30.04.

J. P. Rees
Lieut

8 P.M. to Midnight. Cloudy and pleasant. Light variable airs from S.W. and N.W. Set spanker at 10.00. As steamer passed heading to the N.W. Aneroid barometer 30.04.

C. W. McCormick
Master

Moon's mid Examined and found to be correct.
Dec 6° 28' 03" N
Phase. Last quarter

W. F. Garstin
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Iquique to Arica, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Nestu	rageway.		Calm	0		30.10	65	65	59	65	oc	cirrumb	0	S	Jonsail. topsails
2	"		"	"	0		30.09	64	64	58	65	"	"	0	"	topgallts royals
3	1	0	W.S.W.	N.W.	1		30.09	64	64	58	65	"	"	0	"	flyjib.
4	No	Stuaraway		Calm	0		30.08	64	64	58	65	"	"	0	"	
5	"		"	"	0		30.10	65	64	58	65	"	"	0	"	
6	1	0	N.N.W.	E.N.E	1		30.11	65	63	59	66	"	"	0	"	
7	1	0	"	"	2		30.13	64	63	59	66	"	"	0	"	Set flying jib. fore topt
8	2	0	"	"	1		30.12	64	63	59	66	"	"	0	"	staysail & spanker
9	1	5	"	"	1		30.12	63	63	58	66	"	"	0	"	
10	1	0	"	"	1		30.15	64	64	59	66	"	"	0	"	
11	1	0	"	"	1		30.14	64	66	60	66	"	"	0	"	
Noon.	1	0	"	"	1		30.13	65	68	66	66	bc	cir cum	4	"	

19° 42' S
70° 20' W

Distance run by Log since preceding Noon 30 knots 5 ~~fathoms~~ tenths

Latitude by D. R. at Noon 19° 37' 39" S

Longitude by D. R. at Noon 70° 31' 15" W

Latitude by Observations at Noon ⊙ 19° 28' 28" S

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

283 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2370 "

Coal consumed during the preceding 24 hours tons 1300 lbs.

Coal remaining on hand at Noon 134 " 2116 "

P. M.															
1	1	8	N.N.W	S.S.W	1		30.10	65	68	66	67	bc	Cir Cum	5	"	Set fort studgls
2	3	4	"	"	2		30.08	67	68	66	67	"	"	4	"	
3	4	0	"	"	2		30.06	67	68	66	67	"	"	8	"	
4	4	0	"	"	2		30.05	67	68	66	67	"	"	6	"	
5	3	8	"	"	2		30.05	67	68	61	67	"	Cir Cumb Nimb	3	"	
6	3	8	"	"	2		30.05	67	67	60	67	"	"	3	"	
7	2	6	"	"	2		30.09	67	67	61	67	"	"	3	"	
8	2	2	"	"	1		30.11	67	67	61	67	"	"	6	"	Took in fort Studgls
9	2	0	N.+W.	"	1		30.11	67	67	60	67	"	"	4	"	
10	1	5	"	"	1		30.16	67	67	60	67	"	"	1	"	
11	1	1	"	"	1		30.16	67	67	60	67	oc m	"	0	"	
Mid.	1	4	"	E.	1		30.14	67	67	60	67	"	"	0	"	

19° 04' S
70° 27' W

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, October 8th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant, Light variable airs and calms. Smooth sea. At 12.30 took in spanker. Aneroid 30.02.

W Winningham-Kellogg Lieut

4 to 8 A.M. Weather overcast. Light variable airs and calms. Barometer rising. Set flying jib. fore topmast staysail and spanker at 4 A.M. Aneroid at end of watch 30.07.

D Rees Lieut

8 A.M. to Meridian. Overcast and cloudy, slightly clearing last hour. Light airs from E.N.E. Went to quarters at 9 A.M. Colonial Officer inspected ship and crew. A Chilian man of war passed heading to the S.E. Aneroid barometer at the close 30.03.

W W Smith Master

Meridian to 4 A.M. Cloudy and pleasant, Light breeze from S.E. and N.E. Set port studdingsails at 1.15. Patent log at end of watch read 98 3/4. Aneroid 29.96

W Winningham-Kellogg Lieut

4 to 8 P.M. Cloudy and pleasant, Light breeze from S.S.W. Barometer steady. Came across Gorge bore E by N at 5.23. Bright starlight latter part, Aneroid barometer at the close 30.11.

W W Smith Master

8 P.M. to Midnight, Pleasant Cloudy. Light breeze from S.S.W. hauling to E.S.E, at end of watch. Misty last hour of watch. At 8 changed course to N by W. Took in all port studdingsails. Aneroid 30.04.

W Winningham-Kellogg Lieut

Moon's mid. Dec 2° 24' 40" N.
Phase. Last quarter

Examined and found to be correct.

W H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Iquique to Arica, Peru and at anchor Arica.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	0	N.W	S.E	1		30.11	67	67	60	67	oc	Ci Cum Numb	0	8	Plain sail except
2	1	5	"	"	1		30.11	67	67	60	67	"	"	0	"	M sail & spanker and
3	1	0	"	E & N	1		30.10	67	67	60	67	"	"	0	"	Main topsail
4	1	5	"	"	1		30.10	67	67	60	67	"	"	0	"	
5	1	5	"	S.E	1		30.10	66	64	59	67	"	"	0	"	
6	1	6	"	"	1		30.11	66	64	59	66	"	"	0	"	
7	1	0	"	"	1		30.12	66	64	59	66	"	"	0	"	
8	1	4	"	"	1		30.12	66	65	60	66	bc	"	1	"	
9	0	4	N E & N	"	1		30.12	66	65	60	66	"	"	3	"	Took in all sail
10	5	0	"	"	1		30.15	67	66	60	66	"	"	2	"	Steam
11	4	3	N E 1/4 N	"	1		30.15	65	66	60	66	"	"	4	"	
Noon.	4	3	Steaming into Anchorage	"	1		30.10	65	66	60	66	"	"	4	"	

5
18°28
W
70°30

Distance run by Log since preceding Noon — knots 5 — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 370 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — 2 tons 2020 lbs.

Coal remaining on hand at Noon — 132 " 96 "

P. M.															
Anchored			S.S.W	S.S.W	1		30.10	66	66	60		bc	Ci Cum	7	"
2	"		"	"	1		30.10	66	66	60		"	"	7	"
3	"		"	S.W	1		30.10	68	67	66		"	"	8	"
4	"		S.W.	"	1		30.08	68	67	66		"	"	5	"
5	"		"	"	1		30.09	69	67	66		"	"	6	"
6	"		"	"	1		30.09	69	67	66		"	"	6	"
7	"		"	"	1		30.10	67	67	66		"	"	6	"
8	"		"	"	1		30.13	67	67	66		"	"	6	"
9	"		"	"	1		30.13	65	67	66		"	"	8	"
10	"		"	"	1		30.14	65	67	66		"	"	9	"
11	"		"	"	1		30.16	65	66	61		oc	Ci Cum Numb	0	"
Mid.	"		"		1		30.18	65	66	61		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. October 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant and cloudy. Barometer steady. Breze light in force and varying in direction from S.E. to E by N. Clouds cirro cumulus and nimbus. Aneroid barometer 30.01.

Ward Robbins, Lieut

4 to 8 A.M. Cloudy and cool. Light breze varying from E by N to S by E. Barometer steady. A bark in sight at daylight on port quarter. Aneroid barometer at the close 30.16 Started fires in four forward boilers at 7.50.

W M Bowen
Master

8 A.M. to Meridian. Clear and pleasant. Light breze from S.E. Smooth sea. At 9 called all hands and hoisted in and furled all sail. At 9.30 went to general quarters and exercised. At 9.45 steamed ahead under four boilers. At 9.55 changed course to N E by N. At 10.35 to N & 1/4 N. Remainder of watch standing into Arica harbor. Aneroid 30.04

W Cunningham Kellogg
Lieut

Meridian to 4 P.M. Weather clear and pleasant. Barometer steady. Came to with the starboard anchor in ten fathoms of water veering to thirty fathoms of chain at the hawse hole. Light breze from S.S.W to S.W. Scraping, oiling and varnishing spanker boom and strongbacks of boats. Got out a kedge off starboard quarter as a spring to keep ship's head to sea. When we anchored Alcantran Isld bore S by W 1/2 W. and mole S E 1/2 E. Hauled fires. The U.S. consul visited the ship.

Ward Robbins, Lieut

4 to 8 P.M. Clear pleasant. Light breze from S. Mustered at quarters at 6.15. Aneroid 30.04.

W Cunningham Kellogg
Lieut

8 P.M. to Midnight. Weather clear and pleasant. Light airs from S.W. Barometer rising. Clouds cirro-cumulus and nimbus. A barque came into the roads and anchored astern of us. Aneroid barometer 30.08

Ward Robbins Lieut

Moon 1 mid
Dec 1° 43' 8-7" N
Phase, Last quarter

Examined and found to be correct.

W. H. Porter
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Arica. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.W.	S.S.W.	1		30.14	65	66	61		oc	cumuli	0	S	
2	"		"	S.W.	1		30.10	65	66	60		"	"	0	"	
3	"		"	"	1		30.10	64	65	59		"	"	0	"	
4	"		"	"	1		30.10	64	65	59		"	"	0	"	
5	"		"	"	1		30.10	64	65	59		"	"	0	"	
6	"		"	"	1		30.10	64	65	59		bc	"	4	"	
7	"		"	"	1		30.10	64	65	59		"	"	4	"	
8	"		S.	S.S.W.	1		30.12	64	65	59		"	"	6	"	
9	"		S.W.	W.S.W.	1		30.14	66	64	59		"	cir cumu	6	"	
10	"		"	"	1		30.16	67	65	60		"	"	8	"	
11	"		"	S.W.×W.	2		30.16	68	66	60		"	"	8	"	
Noon.	"		S.W.×W.	"	2		30.16	69	67	61		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1700 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 131 " 1236 "

P. M.															
1	"		S.W.×W.	S.W.	2		30.16	69	67	61		bc	cicumu	8	"
2	"		S.W.	"	2		30.14	69	67	61		"	"	8	"
3	"		"	"	2		30.12	69	67	61		"	"	8	"
4	"		"	"	1		30.10	69	67	61		"	"	9	"
5	"		S.S.W.	"	1		30.15	71	68	62		b		10	"
6	"		"	"	1		30.13	70	68	62		"		10	"
7	"		"	"	1		30.15	69	67	62		"		10	"
8	"		"	"	1		30.15	69	67	62		"		10	"
9	"		"	Calm	0		30.17	68	67	62		"		10	"
10	"		"	"	0		30.18	66	66	61		"		10	"
11	"		"	E.	0-1		30.18	65	65	60		"		10	"
Mid.	"		"	"	1		30.18	65	65	60		"		10	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday October 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather overcast and pleasant, Light airs from S.W. Barometer falling, Aneroid at end of watch 30.02.

C.P. Rae Lieut

4 to 8 A.M. Clear and pleasant, Light breeze from S.W. Squaring rattlines, Aneroid 30.07.

Cunningham-Kellogg

COK Lieut

8 A.M. to Meridian, Weather clear and pleasant, Barometer steady Clouds cirro cumulus. Light breeze from S.W by W to W.S.W. Engaged in ratting down, oiling strongbacks, and spanker boom and painting steerage. Aneroid barometer 30.04.

Richard Rohrer, Lieut

Meridian to 4 P.M. Weather clear and warm, Light breeze from S.W. Barometer falling, At work ratting down and painting outside of ships, Aneroid at end of watch 30.02.

C.P. Rae Lieut

4 to 8 P.M. Clear and pleasant weather. Light breeze from S.W. Barometer steady. Finished painting ship outside and painting hammock cloths. A steamer came in and anchored off our starboard beam. Aneroid barometer 30.06.

Hart Rohrer Lieut

8 P.M to Midnight, Clear and pleasant, Calm, Barometer steady. Edward Forde, Lds. left the gig and remained on shore. Aneroid barometer at end of watch 30.08

C.P. Rae Lieut

Moon's mid Examined and found to be correct.
Dec. 5° 51' 00" S.
Phase, New moon

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Arica, Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			S.S.W.	E.	2		30.12	63	62	58		b		10	S.	
2	"		"	"	2		30.11	63	62	58		"		10	"	
3	"		"	"	2		30.10	62	61	57		"		10	"	
4	"		"	"	2		30.10	61	61	57		"		10	"	
5	"		"	ESE	1		30.10	61	61	57		bc	cicum	6	"	
6	"		"	"	1		30.12	60	59	60		"	"	8	"	
7	"		S.	SE.	1		30.15	61	61	56		"	"	8	"	
8	"		ESE.	NE.	1		30.16	63	65	60		"	"	9	"	
9	"		S	SW.	1		30.10	64	65	60		"	"	9	"	
10	"		"	"	1		30.12	65	65	60		"	"	9	"	
11	"		S+W	SSW.	1		30.10	65	66	61		"	"	9	"	
Noon.	"		"	"	1		30.10	65	66	61		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1370 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 131 " 936 "

P. M.																
1	"		S.S.W	SW	2		30.10	69	68	62		bc	cicum	8	"	
2	"		"	"	2		30.09	69	68	62		"	"	8	"	
3	"		"	"	2		30.09	69	68	62		"	"	8	"	
4	"		"	"	2		30.09	69	68	62		"	"	8	"	
5	"		"	"	2		30.09	69	68	62		"	"	8	"	
6	"		"	"	2		30.09	69	68	62		"	"	8	"	
7	"		S.	"	1		30.12	67	67	63		"	"	7	"	
8	"		"	"	1		30.12	67	67	63		"	"	7	"	
9	"		"	"	1		30.12	67	67	63		"	"	7	"	
10	"		"	"	1		30.12	67	67	63		"	"	7	"	
11	"		"	"	1		30.13	66	67	63		"	"	6	"	
Mid.	"		"	"	1		30.13	66	67	63		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday October 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Light breeze from E^d Barometer steady. Aneroid at the close 30.03.

W. W. Smith
Master

4 to 8 A.M. Weather clear and pleasant. Barometer rising. Clouds cirro-cumulus. Light breeze from E^d E to S.E. A Chilian mail steamer came in and anchored. The Chilian transport which came in last evening shifted her berth and commenced to disembark troops. Found James H. Berry 'OS' absent from ship and sent ashore an offer of a reward of 10^{00} for his apprehension and delivery on board and that of Edward Forde 'Ds' Aneroid bar. 30.08.

Karl Rohrer, Lieut.

8 A.M to Meridian. Weather clear and pleasant. Light breeze from S.W. Barometer steady. At 9^30 hove in to 15 fathoms and weighed kedge anchor in consequence of the Chilian transport getting athwart our hawse. Exercised the 1st, 2d and 3d divisions at target practice with small arms and the 3d division also at target practice with Gatling gun and with rifle attachment to 6 pdr. Aneroid at end of watch 30.03.

A. Rees Lieut.

Meridian to 4 P.M. Clear and warm. Light breeze from S.W. Exercised the Powder and Navigator's division and marine guard firing at target with small arms. Scraped and oiled all pinrails. Received an official visit from the Chilian transport. Aneroid barometer at the close 30.00.

W. W. Smith Master

4 to 8 P.M. Clear and pleasant. Light breeze from S.W. Mustered at quarters at 5.15. Veered to 30 fathoms chain. Aneroid at end of watch 30.04.

A. Rees Lieut

8 P.M to Midnight. Pleasant weather. Light breeze from S.W. Barometer steady. Aneroid barometer at the close 30.06.

W. W. Smith Master

Moon 1 mid
Dec 9° 45' 24" S.
Phase, New moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Arica, Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNE.	Calm	0		30.11	66	66	61		oc	Cum & nimb	0	8	
2	"		"	"	0		30.10	66	66	61		"	"	0	"	
3	"		"	S.E.	0-1		30.09	66	61	61		"	"	0	"	
4	"		"	"	0-1		30.08	65	65	60		"	"	0	"	
5	"		"	S.W.	0-1		30.08	65	65	60		"	"	0	"	
6	"		ESE.	S.	0-1		30.08	65	65	60		"	"	0	"	
7	"		"	"	0-1		30.10	65	65	60		"	"	0	"	
8	"		"	"	0-1		30.10	65	65	60		bc	circum	2	"	
9	"		N.	NW.	1		30.11	65	66	60		"	"	2	"	
10	"		SW×W.	SW.	1		30.10	65	67	60		"	"	6	"	
11	"		SSW	"	1		30.10	67	66	60		"	"	9	"	
Noon.	"		WSW.	"	1		30.10	67	66	60		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1070 "

Coal consumed during the preceding 24 hours tons 1900 lbs.

Coal remaining on hand at Noon 130 " 1276 "

S 18°28' W 70°30' P. M. Arica

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	1	3	0	WSW.	SSW.	2		30.08	67	67	60	68	bc	circum	9	"	All plain sail to royals
	2	5	0	"	"	2		30.08	67	67	60	65	"	"	9	"	
	3	1	5	W¼N	"	1		30.06	67	67	60	65	"	"	6	"	
	4	1	0	"	"	1		30.05	67	67	60	65	"	"	6	"	
	5	1	0	"	SW×S	1		30.06	67	67	62	65	"	Cirrus & nimb	5	"	
	6	1	0	W.	"	1		30.07	67	67	62	65	"	"	5	"	
	7	0	5	"	ESE.	1		30.08	67	67	62	65	"	"	2	"	Took in M topsail & spanker
S 18°27 W 70°30	8	0	5	"	N8	1		30.09	66	66	61	65	"	"	3	"	
	9	1	0	"	"	1		30.12	67	66	62	65	"	"	3	"	Set spanker
	10	1	0	"	"	1		30.15	68	66	61	65	"	"	2	"	
	11	1	0	"	"	1		30.15	68	66	61	65	oc	"	0	"	
	Mid.	1	0	"	E	1		30.13	68	68	62	65	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, October 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light variable airs and calms. Aneroid 30.00

W Winnington-Ingram Lieut

4 to 8 A.M. Overcast and pleasant. Light airs from S° and W°. Barometer nearly steady. Hove in to 15 fathoms on starboard chain and made preparations for sea. Aneroid at end of watch 30.03.

A Rae Lieut

8 A.M to Meridian. Clear and warm. Light breeze from S.W. Went to quarters at 9.30 and mustered the crew. Exercised the divisions per routine. Medical Officer went ashore and obtained bill of health. At 9.25 started fires in two starboard forward boilers. Made all preparations for sea. At 11.50 called all hands up anchor, hove up starboard anchor. Made all preparations for sea. At 11.55 called all hands up anchor, hove up starboard anchor, and stood out to sea. Aneroid barometer at the close 30.00.

W H Simms Master

Meridian to 4 P.M. Clear and pleasant. Light breeze from S.S.W. Smooth sea. At 12.18 took departure, Alcatraz Island bearing S.S.E. distant 1/2 mile. Patent log read 26 1/2 miles. Ships draft fore'd 13 ft 8 in. Aft 15 ft 8 in. At 1.50 stopped steaming and commenced distilling with two boilers. At 1.55 called all hands and made sail to royals: Changed course to W. Aneroid 29.98.

W Winnington-Ingram Lieut

4 to 6 P.M. Weather clear and pleasant. Barometer steady. Clouds cirro-cumulus and nimbus. Light breeze from S.W by S. Land in sight astern and on starboard beam. Distilling water. Aneroid barometer 30.02.

H A Ashe, Lieut

6 to 8 P.M. Overcast and pleasant. Light variable airs and calms. Barometer rising. Took in main trysail and spanker at 7.00. Aneroid 30.03.

A Rae Lieut

8 P.M to Midnight, Overcast and cloudy. Light airs from W° hauling to E°, Set spanker at 8.20. took it in at 11.40. Distilling. Aneroid bar 30.04

W H Simms Master

Moon 1 mid
Dec. 13° 17' 10" S.
Phase, New moon.

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Arica to Callao, Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	0	8	N.	E.	0-1		30.12	68	68	62	65	oc	Circum & numb	0	S	All plain sail except
2	0	8	"	S.	0-1		30.10	68	68	62	65	"	"	0	"	M sail spanker & try sail
3	0	8	"	"	0-1		30.08	68	68	62	65	"	"	0	"	
4	1	0	"	"	0-1		30.05	68	68	62	65	"	"	0	"	
5	1	0	"	"	0-1		30.07	67	66	61	65	"	"	0	"	
6	1	5	"	"	0-1		30.08	67	66	61	65	"	"	0	"	
7	1	5	"	SSE.	1		30.10	67	66	61	66	"	"	0	"	
18° 15' S 8	1	5	"	ESE.	1		30.10	67	66	61	66	"	"	0	"	
71° 10' W 9	1	5	"	NE.	1		30.10	67	66	61	66	bc	Circum	2	"	
10	1	4	"	"	1		30.12	67	66	61	66	"	"	4	"	
11	No steerage way			Calms	0		30.12	68	69	62	66	"	"	3	"	
Noon.			"	"	0		30.12	68	69	62	66	"	"	0	"	

Distance run by Log since preceding Noon	29 knots 3 fathoms.
Latitude by D. R. at Noon	18 ° 24' 30" S
Longitude by D. R. at Noon	70 ° 52' 00" W
Latitude by Observations at Noon ⊙	18 ° 14' 16" S
Longitude by Chronometer from Forenoon Observations ⊙	71 ° 10' 00" W
Current during the time 0.8 knots —— fms. per hour, setting to the	N 63° W
283 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 8. A. M.	10 ° 15' E"
Water expended during the preceding 24 hours	350 gallons.
Water distilled during the preceding 24 hours	1360 "
Water remaining on hand fit for use at Noon	2100 "
Coal consumed during the preceding 24 hours	2 tons 2020 lbs.
Coal remaining on hand at Noon	127 " 1496 "

P. M.																
1	1	0	W.N.W.	S.W.	1		30.10	68	68	62	66	bc	Circum	6	L	Set jib and spanker
2	2	6	W×N	S.W×S.	2		30.10	68	67	61	66	"	"	7	"	Set main try sail
3	2	5	"	"	2		30.06	68	67	61	66	"	"	8	"	
4	1	8	"	"	2		30.07	68	68	62	66	"	"	8	"	
5	0	5	"	S.	1		30.09	68	68	62	66	"	Cir cum & numb	4	"	Set flying jib
6	No steerage way			S.E.	1		30.09	68	68	62	66	"	"	3	"	Took in main try sail
7	0	5	W.	S×E	1		30.11	69	69	63	66	"	Cir cum & Cum str	3	S.	Set spanker & main try sail
18° 10' S 8	No steerage way			Calm	0		30.12	70	67	60	66	"	Cir cum & numb	4	"	
71° 16 W 9	0	5	W.	"	0		30.15	70	67	60	66	oc	"	0	"	Took in spanker & main try sail
10	1	0	"	E	1		30.16	70	69	62	66	"	"	0	"	
11	1	0	"	"	1		30.17	70	69	62	66	"	"	0	"	
Mid.	1	4	"	S	1		30.17	69	68	61	66	"	"	0	"	Set spanker

Longitude by Chronometer from Afternoon Observations ⊙	71 ° 14 ' 45" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Friday, October 13th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Cloudy. Pleasant, Light breeze from S. Smooth sea, Aneroid 30.02

W. Winslow Lieut

4 to 8 A.M. Weather cloudy but pleasant, Light breeze from S to S.S.E. Barometer rising. Clouds cirro-cumulus and nimbus. Land in sight on starboard beam and astern, A sail in sight on port beam. Distilling water. Aneroid barometer 30.03.

Ward Robinson Lieut

8 A.M. to Meridian. Weather clear and warm. Light variable airs and calms. Barometer steady. Took in jib and flying jib at 8.30. Mustered at quarters at 9.15. Exercised at rigging torpedoes at 9.30. Aneroid at end of watch 30.01.

E. Rhoades Lieut.

Meridian to 4 P.M. Pleasant weather. Light breeze from S by W by S. Wore ship at 10. to the S., set spanker and jib. Set main topsail at 1.20. Aneroid barometer at the close 30.00.

W. W. Irwin Master

4 to 6 P.M. Clear and pleasant with very light airs from S to S.S.W. Clouds cirrus and cirro cumulus. Barometer rising. Smooth sea. ~~Aneroid~~ Aneroid barometer at end of watch 30.02.

W. Winslow Lieut

6 to 8 P.M. Clear and pleasant. Calm. Smooth sea. Distilling. Aneroid barometer 30.04.

Ward Robinson Lieut

8 P.M. to Midnight, Weather overcast and pleasant, Light variable airs and calms. Barometer steady. Set spanker at 11.30. Aneroid at end of watch 30.06.

E. Rhoades Lieut

Moon's mid Examined and found to be correct.
Dec 16° 17' 03" S.
Phase, First quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Arica to Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	0	W.	S.	1		30.10	68	67	61	66	bc	Cir cum	4	Ls	Plain sail to royals
2	3	2	"	"	2		30.10	68	67	61	66	"	"	3	"	except Main sail Main
3	3	8	"	"	2		30.10	67	67	61	66	"	"	4	"	by sail & flying jib
4	4	0	"	S.S.E.	2		30.08	67	67	61	66	"	"	4	"	
5	4	0	"	S.	2		30.10	67	67	61	66	"	"	4	"	
6	3	5	"	"	2		30.10	67	67	61	66	"	"	6	"	Set top gal'ts & topmast.
7	4	0	"	"	2		30.11	67	67	61	67	"	"	6	"	stud'g sails
18°54' S 8	4	0	"	"	2		30.15	67	67	61	67	"	"	3	"	
72°13' W 9	4	5	"	S.S.E.	3		30.16	68	68	63	67	"	Cir cum Cum Sts	1	"	
10	4	5	"	"	3		30.16	68	68	63	67	"	"	1	"	
11	4	5	"	"	3		30.16	68	68	63	67	"	Cir cum	4	"	
Noon.	4	5	"	"	3		30.16	69	69	63	67	"	Cir	7	"	

Distance run by Log since preceding Noon 59 knots 3 fathoms.

Latitude by D. R. at Noon 18 · 111 · 46 S'

Longitude by D. R. at Noon 72° 09' 00" W

Latitude by Observations at Noon ⊙ 17 · 50 · 13" S

Longitude by Chronometer from Forenoon Observations ⊙ 72 · 12' 45" W.

Current during the time 0. 05 knots fms. per hour, setting to the N 20° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

283 Variation of the Compass by Azimuth ⊙ observed at 8. a. m. 10° 00' E

Water expended during the preceding 24 hours 300 gallons.

Water distilled during the preceding 24 hours 1100 "

Water remaining on hand fit for use at Noon 2900 "

Coal consumed during the preceding 24 hours 3 tons 180 lbs.

Coal remaining on hand at Noon 124 " 1316 "

P. M.															
1	3	0	NNW.	S.S.E.	3		30.11	69	68	62	67	bc	Cir cum	5	"	Set lee clews & main sail sport lower stud'g sl
2	3	6	"	"	2		30.12	70	69	61	67	"	"	6	"	
3	3	2	"	"	2		30.10	70	69	62	67	"	"	7	"	
4	3	2	"	"	2		30.10	70	69	63	67	"	"	5	"	
5	3	0	"	"	2		30.11	69	69	62	67	"	"	5	"	
6	2	8	"	S.E.	2		30.12	69	68	61	67	"	"	6	"	
7	2	9	"	"	2		30.13	69	68	61	67	"	"	6	"	
17°37' S 8	3	0	"	"	2		30.16	69	67	61	67	"	"	8	"	
72°36' W 9	4	0	"	S.E.	3		30.17	69	67	61	67	"	"	9	"	
10	11	5	"	"	3		30.14	69	67	62	66	b		10	"	
11	5	0	"	"	3		30.13	69	67	62	66	"		10	"	
Mid.	5	5	"	"	3		30.13	69	67	62	66	bc	Cir cum	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ 72 · 14 00 "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander A. K. McCormick, U. S. Navy,

Saturday October 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Light breze from S^e hauling to E^d, and freshening. Barometer steady. Aneroid barometer 30.02.

W M Emmis Master

4 to 8 A.M. Cloudy. Pleasant. Light breze from S. Smooth sea. At 6 set topgallant and t'gmast studding sails. Land in sight on starboard beam. Distilling. Aneroid 30.06.

Wainwright Keeney

Lieut

8 A.M to Meridian. Weather clear and pleasant. Barometer rising. Gentle breze from S.S.E. Clouds cirro-cumulus. cumulus. stratus and cirrus. Stopped distilling. Hauled fires. Lowered smokestack. Aneroid barometer 30.05.

Karl Rohrer, Lieut

Meridian to 4 P.M. Weather clear, and pleasant. Gentle breze from S.S.E. Long swell from S^e and E^d. Changed course to W.N.W at 12.20. Set lee cleat of mainsail at 12.30. At 12.40 set port lower studding sail and took in flying jib. Aneroid at end of watch 30.02.

A Rees Lieut

4 to 6 P.M. Pleasant weather. Light breze from S.S.E. Smooth sea. Went to quarters at 4.45. Aneroid Barometer 30.04.

W M Emmis Master

6 to 8 P.M. Clear and pleasant. Light breze from S.S.E. Smooth sea. Bright moonlight. Aneroid 30.06

Wainwright Keeney

Lieut

8 P.M until Midnight. Weather clear and pleasant. Gentle breze from S by E. Barometer falling. Sea smooth. Aneroid barometer 30.04.

Karl Rohrer, Lieut

Moon's mid Examined and found to be correct.

Dec 18°35'41" S.

Phase. First quarter.

W. H. Parker

Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Arica to Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	W.N.W.	S×E	1		30.11	68	66	62	66	oc	cu mi nb	0	8	All plain sail
2	6	0	"	"	4		30.09	67	66	62	66	bc	ci cum	2	"	except fore & aft sails
3	5	0	"	"	3		30.08	67	66	62	66	"	"	1	"	all port studd'g sails
4	4	6	"	"	3		30.06	66	66	62	66	"	"	2	"	
5	4	8	"	"	3		30.07	66	66	61	66	"	"	1	"	
6	4	8	"	"	3		30.06	66	66	61	66	oc	"	0	"	
7	4	8	"	"	3		30.08	66	65	61	66	"	"	0	"	
17° 03' S 8	4	8	"	"	3		30.10	67	66	62	66	bc	"	2	"	
73° 38' W 9	4	6	"	"	3		30.10	67	66	62	66	"	"	2	"	
10	4	11	"	"	3		30.10	67	66	62	66	"	"	2	"	Haul'd down fore-top-mast stay sail
11	4	5	"	"	3		30.10	67	66	62	66	"	"	2	"	
Noon.	5	0	"	"	3		30.10	69	66	62	65	"	"	2	"	

Distance run by Log since preceding Noon — 104 knots 11 fathoms.

Latitude by D. R. at Noon — 16° 53' 01" S

Longitude by D. R. at Noon — 73° 45' 15" W

Latitude by Observations at Noon ⊙ — 16° 55' 03" S

Longitude by Chronometer from Forenoon Observations ⊙ — 73° 54' 15" W

Current during the time 1. 3 knots _____ fms. per hour, setting to the — Mst

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

283 Variation of the Compass by Azimuth ⊙ observed at 8. a. m. — 11° 11' E

Water expended during the preceding 24 hours — 330 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2570 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 124 " 1016 "

P. M.																
1	4	5	W.N.W.	S×E.	3		30.10	70	69	63	65	bc	ci cumu	3	"	Same.
2	4	5	"	"	3		30.09	70	67	62	65	"	"	3	"	
3	4	5	"	"	3		30.09	69	67	62	66	"	"	3	"	
4	4	5	"	"	3		30.09	69	67	62	66	"	"	2	"	
5	4	8	"	"	3		30.10	69	68	63	66	"	"	2	"	
6	4	6	"	"	3		30.10	69	68	63	66	"	"	3	"	
7	5	0	"	"	3		30.10	69	67	63	66	"	"	5	"	
16° 34' S 8	5	0	"	"	3		30.10	69	66	62	66	"	"	4	"	
74° 24' W 9	5	0	"	"	3		30.10	69	66	62	66	"	"	6	"	
10	5	0	"	"	3		30.12	69	66	62	66	"	"	6	"	
11	5	2	"	"	3		30.12	69	66	62	66	"	"	6	"	
Mid.	5	2	"	"	3		30.12	69	66	62	66	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 73° 58' 00" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. October 15th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and to 4 A.M. Weather overcast, and pleasant, Gentle breeze from S by E. Barometer falling. Aneroid at end of watch 30.00.

J. R. Lee Lieut

4 to 8 A.M. Overcast and cloudy. Moderate breeze from S by E. Smooth sea, Barometer steady. Aneroid barometer at the close 30.03.

W. W. Sumner Master

8 A.M. to Meridian. Weather warm, and pleasant, Moderate breeze from S by E. Mustered at quarters at 8.15. when Comdg Officer inspected ship and crew. Barometer steady. Sea smooth. Clouds cirro-cumulus. Aneroid barometer at end of watch 30.04

Wainwright Keeney USN Lieut

Meridian to 4 P.M. Weather clear, and pleasant. Barometer rising Cirro-cumulus clouds. Gentle breeze from S by E. Aneroid barometer 30.03

Ward Robeson Lieut

4 to 6 P.M. Clear and pleasant. Gentle breeze from S by E. Smooth sea. Barometer steady. Aneroid at end of watch 30.01.

J. R. Lee Lieut

6 to 8 P.M. Pleasant weather. Gentle breeze from S by E. Barometer steady. Aneroid barometer at the close. 30.00

W. W. Sumner Master

8 P.M. to Midnight. Clear and pleasant. Moderate breeze from S by E. Smooth sea. Moon set at 9. Aneroid 30.08.

Wainwright Keeney USN Lieut

Moon l mid. Examined and found to be correct.
Dec. 20° 02' 39".8
Phase First quarter.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Arica to Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	W.N.W.	S.E.	4		30.10	66	65	62	65	bc	Stratus Cir cum	2	8	All plain sail except
2	6	0	"	"	4		30.08	66	65	62	65	"	"	1	"	fore & fore staysail &
3	5	5	"	"	4		30.07	66	65	62	65	"	"	4	"	topsail & spanker.
4	5	5	"	"	4		30.07	66	65	62	65	"	"	6	"	All port studgs
5	5	11	"	"	4		30.06	67	65	62	65	"	"	5	"	
6	5	2	"	"	4		30.08	67	65	62	65	"	"	5	"	
7	5	2	"	"	4		30.09	67	65	62	65	"	"	4	"	
8	5	0	"	"	3		30.10	68	65	63	64	"	"	3	"	
9	2	4	"	"	3		30.12	65	63	66	64	"	"	2	"	
10	Firing at target.			"	3		30.13	67	66	63	64	"	"	1	"	Topsails & fore & mainsail
11	3 1	0	N.N.W. N.W.b.W.	"	3		30.13	67	69	63	64	"	"	1	"	All plain sail, port studgs
Noon.	4	2	"	"	3		30.11	68	68	62	64	"	"	4	"	

Distance run by Log since preceding Noon 112 knots 2 ~~tenths~~ Tenths

Latitude by D. R. at Noon 15° 57' 45" S

Longitude by D. R. at Noon 75° 26' 00" W

Latitude by Observations at Noon ⊙ 15° 49' 13" S

Longitude by Chronometer from Forenoon Observations ⊙ 75° 28' 00 W

Current during the time 1. 2 knots ~~fms. per~~ hour, setting to the N 27° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

282 Variation of the Compass by Azimuth ⊙ observed at 8. am. 16° or over

Water expended during the preceding 24 hours 320 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2250 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 124 " 716 "

P. M.															
1	4	0	N.W.b.W.	S.E.	3	30.09	68	68	63	64	bc	Cir cum Strat	4	"	Set the aloft topmast
2	4	2	"	"	3	30.07	68	68	63	64	"	"	6	"	
3	4	0	"	S.S.W.	3	30.06	68	68	63	64	"	"	6	"	
4	4	11	"	"	3	30.06	68	68	63	64	"	"	5	"	
5	4	5	"	S.S.E.	3	30.08	69	69	63	65	"	"	5	"	
6	4	5	"	"	3	30.08	68	67	63	65	"	"	5	"	
7	5	2	"	"	4	30.09	67	66	62	65	"	Cir Strs	7	"	
8	5	4	"	"	4	30.09	67	66	62	65	"	Cir	8	"	Morning Sail a.m.
9	5	6	"	"	4	30.10	67	67	63	64	"	"	9	"	
10	5	8	"	"	4	30.10	67	67	62	64	"	"	9	"	
11	5	8	"	S.E.	4	30.08	66	65	62	64	"	"	9	"	Set all aloft studgs
Mid.	5	8	"	"	4	30.06	66	65	62	64	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, October 16th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Moderate breeze from S.S.E. The comet in the eastern heavens was visible in its entire length between 2 and 4. Aneroid barometer 30.00.

Karl Rohrer Sign't

4 to 8 A.M. Weather clear and pleasant, Gentle breeze from S by E. Smooth sea, Barometer rising. Aneroid at end of watch 30.02.

[illegible] Lieut

8 A.M to Meridian. Cloudy and warm, Gentle breeze from S by E. At 8.30 shortened sail to topsails and brought by the wind on starboard tack. Put target overboard at 8.39. and beat to general quarters: all divisions ready in 3m 5sec. Exercised at target practice with port battery, broadside guns Expended in Ordnance Dep't. 120 lbs of cannon powder and 12 11 in. 5 sec. shell, Secured at 9.22 Sent boat out, picked up target and hoisted boat. Filled away on course and made all plain sail to royals. except mainsail and spanker. also all port studdingsails. At 10.45 changed course to N.W.½W. By order of Comdg Officer John F. McCann, Lds' Walter Disney, Lds' and Peter Devaney, Lds' to have five days extra duty for disobedience, Robt C. Marett. O.S.B' five days extra duties for absenting himself from quarter deck without permission. A. S. McMillan, 'Apothi' five days solitary confinement on bread and water for blackmailing a shipmate, disobedience of orders and lying. Aneroid barometer at the close 30.02.

W. W. Sumner

Master

Meridian to 4 P.M. Weather clear and pleasant, Sea smooth. Light steady breeze from S by E and S.S.W. Barometer falling slowly. Clouds cir-cum and stratus. Aneroid barometer at the close 30.00.

[illegible] Lieut

4 to 6. P.M. Clear and pleasant weather. Gentle breeze from S.S.E. Barometer steady. Clouds cirro cumulus and stratus. Smooth sea. Ship steady. Aneroid barometer 30.00. Mustered at quarters, at 4.45 and gave five minutes instruction.

Karl Rohrer, Lieut

6 to 8 P.M. Clear and pleasant, Gentle breeze from S.S.E. Smooth sea. Barometer rising. Aneroid at end of watch 30.0. Exercised at night fire quarters at 7.45.

[illegible] Lieut

8 P.M to Midnight. Clear and pleasant, Bright starlight, Moderate breeze from S.S.E hauling to S.E. At 10.30 laid the yards square, hauled up the lee clew of mainsail and set all starboard studdingsails. Aneroid barometer 30.01.

W. W. Sumner

Master

Moon's mid Examined and found to be correct.

Dec 20° 30' 53" 8

Phase. First quarter.

W. H. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Arica to Callao. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	N.W.½W.	S.E.	4		30.06	66	65	62	64	bc	cis	9	8	All plain sail and
2	5	8	"	"	4		30.06	66	65	62	64	"	"	9	"	Studgls. except fjib
3	5	6	"	"	4		30.06	66	65	62	64	"	circum	4	"	flotteteaysl. topsails and
4	5	6	"	"	4		30.04	66	65	62	64	"	"	4	"	spanker.
5	5	0	"	"	4		30.06	66	65	62	64	"	circum nimb	1	"	
6	4	5	"	"	4		30.07	66	65	62	65	oc	"	0	"	
7	4	5	"	"	4		30.10	66	64	61	65	"	nimb	0	"	
5° 14'.14' W 8	4	5	"	"	3		30.10	66	64	61	65	"	"	0	"	
77°00' 9	3 2	0 0	N.N.W.	S.S.E.	3		30.10	66	65	62	65	"	"	0	"	
10	4	5	"	"	3		30.10	66	67	62	65	"	"	0	"	
11	4	0	"	"	3		30.10	68	69	63	65	bc	circum	2	"	
Noon.	4	4	"	"	3		30.09	68	69	64	62	"	"	2	"	

Distance run by Log since preceding Noon — 118 knots 6 ~~tenths~~ fathoms

Latitude by ~~D. R.~~ Obs at Noon — 14° 00' 49" S

Longitude by D. R. at Noon — 76° 45' 45" W

Latitude by ~~Observations~~ D R at Noon ⊙ — 14° 14' 07" S

Longitude by Chronometer from Forenoon Observations ⊙ — 77° 02' 48" W

Current during the time 1.8 knots ——— ~~fms. per~~ hour, setting to the — N. 51° W

261 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. a.m. — 9° 30' E

Water expended during the preceding 24 hours — 330 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1920. "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 124 " 416 "

P. M.															
1	4	0	N.W.½W.	S.S.E.	2		30.07	67	71	65	64	bc	cir cum	2	"
2	4	0	"	"	2		30.07	67	71	65	64	"	"	2	"
3	4	0	"	"	3		30.04	67	70	65	64	"	"	2	"
4	4	5	"	"	3		30.02	67	68	62	64	"	"	2	"
5	4	2	"	S.+E.	3		30.02	68	68	62	64	"	"	2	"
6	4	0	"	"	3		30.02	68	68	62	64	"	cir cum strat	6	"
7	4	5	"	"	3		30.03	66	68	62	64	"	"	6	"
13°5' 28 W 8	4	5	"	"	5		30.03	66	68	62	64	"	"	6	"
77°05' 9	4	2	"	"	3		30.05	66	68	63	64	"	cir cum	6	"
10	4	2	"	"	2		30.05	66	68	63	64	"	"	7	"
11	4	2	"	"	2		30.05	66	65	62	64	"	"	7	"
Mid.	4	0	"	"	2		30.05	66	65	62	64	"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊙ — 77° 04' 05" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Tuesday, October 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Pleasant, Moderate breeze from S.E. Smooth sea, Aneroid 30.00. Pat. log at end of watch 45 miles.

W. Winningham Lieut

4 to 8 A.M. Weather pleasant but somewhat cloudy. Gentle to moderate breeze from S.E. Clouds cirro-cumulus and nimbus. Land in sight one point abaft starboard beam. Sighted a sail ahead. Aneroid barometer 30.02

Karl Rohrer Lieut

8 A.M to Meridian. Weather clear and pleasant. Gentle breeze from S.S.E. Barometer steady. Changed course at 8. 46 to N.N.W. Mustered at quarters at 9.15, exercised 1st Div. at single sticks. 2d Div. at Great Guns. 3d and Powder Divisions and Marine Guard at small arms. By order of Commanding Officer the punishment of five days bread and water in solitary confinement ordered yesterday in the case of A. J. McMillan. Apothy. is remitted. Aneroid at end of watch 30.00.

J. Rees Lieut

Meridian to 4 P.M. Pleasant weather. Gentle breeze from S.S.E. slightly freshening toward the close. Barometer falling. Blacked all boats davits, bitts and chain pipes. Changed course at 12 to N by W. 1/2 W. Aneroid barometer at the close 29.97.

W. McCann Master

4 to 6 P.M. Clear and pleasant, Moderate breeze from S.S.E. Smooth sea, Aneroid 29.98.

W. Winningham Lieut

6 to 8 P.M. Weather clear and pleasant. Gentle breeze from S by E. Barometer steady. Clouds cirro-cumulus and stratus. Sea and Ship steady, Aneroid barometer 30.00.

Karl Rohrer, Lieut

8 P.M to Midnight. Clear and pleasant, Moonlight early part of watch, Gentle breeze from S.S.E. Smooth sea. Beat to quarters at 8.06 the divisions reporting ready as follows,- 1st Div. 5min, 2d Div. 2min 10sec, 3d Div. 5min 45sec, Navigators in 2min 20sec, Powder in 1min 30sec, Engineers 3min, Marines in 3min, fired 6 pdr blank cartridge in 5min 45sec, 9in. blank cartridge in 5min, No 1 Gun fired shell in 2min, No 2 Gun shell in 2min 10sec, The Captain inspected the ship. Expended in Ord. Dept 25 lbs hexagonal powder. 20 lbs cannon powder, 8 lbs rifle powder, and 2 IX in 5sec shells. Aneroid at end of watch 30.00

J. Rees Lieut

Moon Mid

Examined and found to be correct.

Dec. 19° 54' 52" 8

Phase. First quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Arica to Callao, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	0	NW½W	S.S.E.	2		30.07	64	66	62	65	bc	cirs	8	8	Plain sail to royals &
2	4	0	"	"	2		30.05	64	66	62	65	"	"	7	"	all studsls except
3	4	0	"	"	2		30.03	63	66	62	65	bc	cir cumb	0	"	flyjib. Cross sail & spanker
4	4	0	"	"	2		30.03	63	66	62	65	"	"	0	"	
5	4	2	"	"	3		30.03	63	66	62	65	"	"	0	"	
6	4	2	"	"	3		30.03	63	66	62	65	"	"	0	"	
7	3	6	"	"	3		30.04	63	66	62	65	"	"	0	"	
8 S 12 33 W 77°15'	3	2	"	"	3		30.06	63	66	62	65	"	"	0	"	
9	2	5	NbW	"	1-2		30.08	63	66	62	65	"	"	0	"	
10	2	0	"	"	1		30.10	67	68	64	65	"	"	0	"	Furled all sail
11	4	0	"	"	1		30.11	68	68	65	65	"	"	0	"	Steam
Noon.	5	0	"	"	1		30.10	68	68	65	65	bc	"	1	"	

Distance run by Log since preceding Noon — 95 knots 0 fathoms.

Latitude by D. R. at Noon — 12° 24' 00" S

Longitude by D. R. at Noon — 77° 08' 00" W

Latitude by Observations at Noon ⊙ — 12° 21' 00" S

Longitude by Chronometer from Forenoon Observations ⊙ — 77° 15' 00" W

Current during the time 0.2 knots ~~fms. per hour~~, setting to the — N 43° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

261 Variation of the Compass by Azimuth ⊙ observed at 8 a. m. — 9° 30' 00" E

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1570 "

Coal consumed during the preceding 24 hours — 1 tons 860 lbs.

Coal remaining on hand at Noon — 122 " 1796 "

P. M.																
1	5	0	N¾W	S.S.E.	1		30.08	67	68	64	65	bc	circum	1	"	
2	5	0	N×W.	"	1		30.08	67	68	64	65	"	"	1	"	
3	4	8	Standing	"	1		30.07	67	68	64	65	oc	"	0	"	
S 12°04 4	in for	Anchorage		"	1		30.05	67	68	64	65	"	"	0	"	
W 77°08 Anchored			S.S.W.	S.S.W.	2		30.03	67	65	62		"	"	0	"	
6	"		S	S.	2		30.05	67	65	62		"	"	0	"	
7	"		S6×S.	"	2		30.05	67	65	62		"	"	0	"	
8	"		"	"	2		30.10	66	65	62		"	"	0	"	
9	"		S.S.E.	S.E	1		30.10	66	65	62		"	"	0	"	
10	"		"	"	1		30.10	66	65	62		"	"	0	"	
11	"		"	"	1		30.10	66	65	62		ocd	"	0	"	
Mid.	"		"	"	1		30.10	66	64	61		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,
Wednesday October 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant first part with bright starlight and gradually becoming overcast. Gentle breeze from S.S.E. Anchored barometer at the close 29.98.

W. M. Emmons
Master

4 to 8 A.M. Cloudy Pleasant. Light breeze from S.S.E. At 6.25 started fires under two boilers for distilling Sand in sight on starboard beam and bow, at end of watch, Aneroid 30.03. Wainwright Kellogg
1st Lieut

8 A.M. to Meridian. Weather pleasant but cloudy. Land in sight on both bows and on starboard beam. Light breeze from S.S.E. Barometer steady Sea smooth, Ship steady. Spliked fires under two boilers for steaming at 9. At 9.45 took in and furled all sails, unbent studdingsails and unrove studdingsail gear, Commenced steaming ahead at 10.01. Got up awnings and bridge ropes. An English steamer passed on our port hand dipping her colors, which compliment was returned in kind.

Harl. A. Bisbee Lieut

Meridian to 4 P.M. Overcast and pleasant. Light airs from S.S.E. Smooth sea. Barometer steady, Running in for anchorage off Callao, At 1.40 made signal No. 44, the "Pensacola" "answered" and signalled 150. At 2.45 the "Iroquois" made signal No 68, and at 3.00. the "Onward" made No 138. At 3.00 made No (interrogatory) 1211. the "Pensacola" answering No 90 4. At 3.15 made (interrogatory) No 6 7 0 the "Pensacola" answering No 90 4. Called all hands bring ship to anchor at 3.10. came to at 3.35 in 6 fathoms water with sb'd anchor and veered to 30 fathoms chain. An officer from the Italian man of war "Archimedes" and one from the Chilian "Huascar" one from H B M S. "Swiftsure" and the French man of war "Limier" visited the ship offering the usual civilities. The Comdg Officer left the ship at 3.50 to make official visits. Sent down royal yards at 3.40 Aneroid at end of watch 29.98. Draft of water 13 ft 11 in forward 15 ft 10 in aft.

A. Rhees Lieut.

4 to 8 P.M. Weather pleasant but cloudy. Barometer steady. Clouds cirro-cumulus and cumulus. Light breeze from S to S.S.W. Banked fires under two boilers, Distilling. Got up hammocks gir'st times. Flagship signalled to send mail on board by 8 A.M. to morrow.

Harl Bisbee Lieut.

8 P.M. to Midnight, Overcast and pleasant, Gentle airs from S.E. Barometer steady. Aneroid at end of watch 30.00.

A. Rhees Lieut

Moon's age 6 Examined and found to be correct.
Dec 18° 13' 16" S
Phase First quarter.

W. H. Parker
Lieutenant
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S & E	SE.	2		30.05	65	64	62		oc m	Cirrus	0	S	
2	"		"	"	2		30.03	65	63	61		"	"	0	"	
3	"		"	"	1		30.02	65	63	61		"	"	0	"	
4	"		"	"	1		30.01	65	63	62		"	"	0	"	
5	"		SE & S.	S.	1		30.01	64	63	61		bc	Cir cum	1	"	
6	"		"	"	1		30.05	64	63	61		"	"	2	"	
7	"		"	"	1		30.08	64	63	62		"	"	4	"	
8	"		"	"	1		30.10	64	63	62		"	"	5	"	
9	"		"	"	1		30.10	64	63	62		"	"	6	"	
10	"		S.S.E.	S.S.E.	1		30.10	64	65	62		oc	"	0	"	
11	"		"	"	1		30.11	66	65	62		"	"	0	"	
Noon.	"		"	"	1		30.15	67	65	62		"	"	0	"	

Distance run by Log since preceding Noon 14 knots 8 fathoms. Tenths

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water distilled during the preceding 24 hours 830 "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours 2 tons 1920 lbs.

Coal remaining on hand at Noon 119 " 2116 "

P. M.																
1	"		SSE	S.S.E	1		30.08	67	66	63		oc	Cir cum Numb	0	"	
2	"		"	"	2		30.06	67	65	62		"	"	0	"	
3	"		"	"	2		30.05	67	65	62		bc	"	2	"	
4	"		"	"	2		30.04	67	65	62		"	"	1	"	
5	"		"	"	2		30.04	67	65	62		"	"	1	"	
6	"		"	"	2		30.03	68	65	62		"	Cir cum	2	"	
7	"		"	"	2		30.03	68	65	62		oc	"	0	"	
8	"		"	"	2		30.03	68	65	62		"	"	0	"	
9	"		"	"	2		30.10	66	65	63		"	"	0	"	
10	"		"	"	2		30.10	66	65	63		"	"	0	"	
11	"		"	"	2		30.10	66	65	63		"	"	0	"	
Mid.	"		"	"	2		30.10	66	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, October 19th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Overcast and cloudy with very heavy dew. Light breze from S. E. Barometer falling. Aneroid barometer 29.98.

W. W. Smith Master

4 to 8 A.M. Weather pleasant but cloudy. Light breze from South. Barometer rising. Cirro-cumulus clouds. At 7.30. Flagship made signal No. 3350. Ans. Distilling water. A Chilian steamer came in from N.E. Aneroid barometer 30.02.

Wm. Noble, Lieut

8 A.M. to Meridian. Overcast and pleasant. Light airs from S.E. and E. Barometer steady. Mustered at quarters at 9.30. The Comdg Officer left the ship to pay official visits at 9.45. Sent an officer to return thanks for courtesies extended by foreign men of war. The Comdg Officer of the U.S.S. "Iroquois" visited the ship at 10.36 and the Comdg Officer of the "Onward" came on board at 11.00. A French man of war came in and anchored at 10.30. The U.S. Flagship played the "Marseillaise" as she was passing. She returned the compliment by dipping her colors, the salute being returned by the "Pensacola." Aneroid at end of watch 30.01.

E. Rhea Lieut

Meridian to 4 P.M. Overcast and cloudy, slightly clearing latter part. Light breze from S.S.E. Barometer falling. Sent a quantity of spare gear to the U.S.S. "Onward" for temporary storage. Exercised at signals with U.S. Flagship "Pensacola" using red and blue flags from yard arms. At 3.30 Flagship "Pensacola" made Signal 50.38. Answered. Piped down hammocks. At 3.45. "Pensacola" made Signal 2985. Answered. Spread up harbor clothes lines. Made preparations for hoisting out launch. Aneroid barometer at the close 30.01. Ensign H. C. Dunn reported on board for duty.

W. W. Smith Master

4 to 8 P.M. Weather overcast and pleasant, light airs from S.S.E. Barometer steady. Mustered at quarters at 4.45, Aneroid at end of watch 30.01.

E. Rhea Lieut

8 P.M. to Midnight. Overcast and cloudy. Light breze from S.S.E. Barometer steady. Distilling. Aneroid barometer 30.00.

W. W. Smith Master

Moon's mid Examined and found to be correct.

Dec 15° 28' 19" S.

Phase Full moon.

E. H. Tarbell

Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.S.E.	1		30.08	66	65	62		ocd	cirrumb	0	8	
2	"		"	"	1		30.08	65	64	61		"	"	0	"	
3	"		"	"	1		30.08	65	64	61		"	"	0	"	
4	"		"	"	2		30.08	65	64	61		bc	cir cum	4	"	
5	"		"	"	0-1		30.08	65	64	61		"	"	4	"	
6	"		"	"	0-1		30.10	65	64	61		"	"	3	"	
7	"		"	"	0-1		30.12	65	64	61		"	"	3	"	
8	"		"	"	0-1		30.12	65	64	61		"	"	3	"	
9	"		SE+S	S	1		30.15	67	65	62		"	"	6	"	
10	"		"	"	1		30.14	68	67	62		b		10	"	
11	"		"	"	1		30.13	68	68	62		"		10	"	
Noon.	"		"	"	1		30.13	69	67	63		"		10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water distilled during the preceding 24 hours — 1130 "

Water remaining on hand fit for use at Noon — 2900 "

Coal consumed during the preceding 24 hours — 2 tons 20 lbs.

Coal remaining on hand at Noon — 117 " 2096 "

P. M.														
1	"	S.	S	2	30.10	69	67	62		b		10	"	
2	"	"	"	2	30.10	69	67	62		bc	cir cum	8	"	
3	"	"	"	2	30.06	72	67	62		"	"	8	"	
4	"	"	"	2	30.06	72	67	62		"	"	8	"	
5	"	SSE.	S.E.	3	30.07	69	65	62		"	"	4	"	
6	"	"	"	2	30.08	69	65	62		"	cir cum & str	3	"	
7	"	"	"	2	30.08	69	64	62		"	cir cum	3	"	
8	"	"	"	2	30.08	68	63	61		"	"	3	"	
9	"	"	S.S.E	2	30.08	69	63	61		"	"	4	"	
10	"	"	"	2	30.08	69	63	61		"	"	3	"	
11	"	"	"	2	30.05	67	63	61		"	"	3	"	
Mid.	"	"	"	2	30.03	66	63	61		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, October 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Cloudy. Heavy dew. Light breeze from S^o and E^a, Aneroid 30.00. W Winningham-Keeney Lieut

4 to 8 A.M. Weather partly cloudy and pleasant, Gentle breeze from S^o and E^a Barometer rising. The Flagship made general signal 3366 at 7.30. Aneroid at end of watch 30.05 W K Lieut

8 A.M to Meridian. Clear and warm. Light breeze from S^o. hauling to S.W. Barometer steady. At 9.30 exercised at fire quarters. all divisions ready in two minutes. cockered at 9^h: all divisions ready in three minutes. Exercised crew at abandoning ship. Received official visits from the Commanding Officers of the US Flagship "Pensacola" and the Italian sloop of war "Archimede" A board of survey in Construction Department was held on fore topgallant mast, two forward torpedo booms and steam cutter's cradles. also a board of survey in Steam Engineering Department to examine crank pins. Stopped Distilling and hauled fires. Aneroid barometer at the close 30.00. W. M. Emmons Master

Meridian to 4 P.M. Clear and pleasant with fresh breeze from S^o At 2.50 Flagship made signal 1087 and a boat was sent alongside. at 3.30. Flagship made signal 2974. Received official visits from Commdg Officers of Italian, English and Chilian men of war in the harbor Barometer nearly steady. Aneroid at end of watch 29.98.

W Winningham-Keeney W K Lieut

4 to 8 P.M. Pleasant weather. Light breeze from S.E. Barometer steady. Went to quarters at 4.45. Aneroid barometer at the close 30.00. W. M. Emmons Master

8 P.M to Midnight, Cloudy. Heavy dew. Light breeze from S^o and E^a, Aneroid 30.00. W Winningham-Keeney W K Lieut

Moon's mid Examined and found to be correct.

Dec. 11° 48' 17" S

Phase Full moon

W. H. Parker

Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao, Peru. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E.	S S E	2		30.03	66	63	61		bcuo	Cir cumu & cumb	4	8	
2	"		"	"	1		30.02	66	63	61		ocu	"	0	"	
3	"		"	"	1		30.02	66	63	61		"	"	0	"	
4	"		"	"	1		30.00	66	63	61		bcu	"	4	"	
5	"		"	"	1		30.05	65	63	61		oc	"	0	"	
6	"		"	"	1		30.08	65	63	61		"	"	0	"	
7	"		"	"	1		30.09	66	63	61		"	"	0	"	
8	"		"	"	1		30.09	66	63	61		"	"	0	"	
9	"		"	"	1		30.09	66	63	61		"	"	0	"	
10	"		"	"	1		30.09	66	63	61		"	"	0	"	
11	"		"	"	1		30.10	67	65	62		bc	Cir cumu	3	"	
Noon.	"		"	"	1		30.10	67	65	62		"	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2550 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 117 " 1796 "

P. M.																
1	"		S S E	S S E.	1		30.08	68	65	62		"	"	3	"	
2	"		S S W.	S.	2		30.05	69	66	62		"	"	5	"	
3	"		"	S S W.	2		30.03	69	66	63		"	"	7	"	
4	"		S.	"	2		30.04	69	66	63		"	"	8	"	
5	"		"	"	2		30.04	69	66	63		"	"	8	"	
6	"		"	"	2		30.03	69	66	63		"	"	8	"	
7	"		"	"	2		30.05	69	66	63		"	"	8	"	
8	"		"	"	2		30.07	69	66	63		"	"	6	"	
9	"		S S E.	S S E.	2		30.09	67	64	61		bcu	"	6	"	
10	"		"	"	2		30.10	67	64	61		"	"	6	"	
11	"		"	S.	2		30.08	66	64	61		ocu	"	0	"	
Mid.	"		"	"	2		30.08	66	64	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, October 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy with heavy mist light airs and breezes from S.S.E. Barometer falling slowly. Aneroid 30.00. at end of watch.

H.O. Dunn. Ensign,

4 to 8 AM, Overcast and cloudy, misty first hour, light breezes from S.S.E. Barometer rising. At 7 A.M. Flagship made signal 33.50. Aneroid at the close 30.05.

W.M. Sm[illegible] Master

8 AM. to Meridian. Cloudy Pleasant, light breeze from S.S.E. Received an official visit from the Comdg Officer of H.B.M.S. "Mutine". Aneroid 30.02.

W. Winnington-Ingram Lieut

Meridian to 4 P.M. Weather clear and pleasant with light breeze from South, and S.S.W. Received official visits from U.S. Consul. Captain of H.B.M.S. "Swiftsure". Comdg Officers of French man of war "Eclaireur" and Chilian man of war "Huascar" Sent liberty party ashore at 1 o'clock. Aneroid at end of watch 29.98.

H.O. Dunn Ensign

4 to 8 P.M. Cloudy, Pleasant, light breeze from S. and E., At 4.45 mustered at quarters. Aneroid 30.00. *

W. Winnington-Ingram Lieut

8 PM to Midnight Overcast cloudy and misty with light breeze from S.S.E. and South, Barometer fluctuating slightly. Aneroid at end of watch 30.02.

H.O. Dunn Ensign

* (4 to 8 PM) Received on board from U.S.S. "Pensacola" with bags, hammocks and necessary papers the following named men: John O'Connell, (Sea.) Albert Ipson, (Sea.) Wm Glenny, (Sea.) John Heany, (Sea.) Fred. Saws, (Sea.) Levy is Dogt. (S.) Benjamin Schunke, (S.) Alex. Anton, (S.) Wm Thomas, (S.) Walter Graham, (S.) Hans Karlsen, (S.) Thomas Smith, (Lds.) and Michael Haley, (Lds.).

W. Winnington-Ingram

Moon's mid. Examined and found to be correct.
Dec 7° 22' 11" S.
Phase Full moon.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao, Peru, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E.	S.S.E.	1		30.08	69	63	62		vcm	cicumo	0	S	
2	"		S.	S.	1		30.05	66	63	62		"	"	0	"	
3	"		"	"	1		30.05	66	63	62		"	"	0	"	
4	"		"	"	1		30.02	66	63	62		"	"	0	"	
5	"		S.S.E.	"	1		30.06	66	63	61		"	"	0	"	
6	"		"	"	1		30.08	65	64	62		bc	"	0	"	
7	"		"	"	1		30.12	65	64	62		"	"	0	"	
8	"		"	"	1		30.11	66	64	62		"	"	0	"	
9	"		"	"	1		30.11	66	64	62		"	"	0	"	
10	"		S.	"	1		30.11	68	66	63		"	"	0	"	
11	"		"	"	1		30.11	68	66	63		"	"	0	"	
Noon.	"		"	"	1		30.10	68	66	63		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 1450 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2100 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 117 " 1496 "

P. M.															
1	"		S.	S	2		30.10	71	68	63		bc	cicumo	6	"
2	"		"	"	2		30.08	71	68	63		"	"	5	"
3	"		S.S.E	"	2		30.08	71	67	63		"	"	5	"
4	"		S	"	2		30.08	71	67	63		"	"	8	"
5	"		"	"	2		30.06	71	67	63		"	"	8	"
6	"		S.S.E	"	2		30.06	71	67	63		"	"	8	"
7	"		"	"	2		30.10	69	66	63		bcm	"	7	"
8	"		"	"	2		30.10	70	66	63		"	"	7	"
9	"		"	"	2		30.12	70	66	62		oc	"	0	"
10	"		"	"	2		30.12	70	66	62		"	"	0	"
11	"		"	"	2		30.12	69	66	62		"	"	0	"
Mid.	"		"	"	2		30.09	68	66	62		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, October 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and damp, light breze from S.S.E. Barometer falling. Cirro-cumulus clouds. Aneroid barometer 30.00.

Karl Rohrer, Lieut

4 to 8 A.M. Cloudy, Pleasant. Light airs and calms. English. Chilian and French steamers came in from South. Aneroid 30.04.

[illegible] Lieut-

8 A.M to Meridian. Cloudy but pleasant, light airs from South. Barometer falling slowly, Aneroid 30.02 at noon. At 9.30 went to quarters and the Commanding Officer inspected ship and crew.

H. O. Dunn Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light breze from South. Barometer rising. Cirro-cumulus clouds. Visiting parties on board from "Iroquois" and "Pensacola" and visiting parties from our ship on both of them. Aneroid barometer 29.98.

Karl Rohrer, Lieut

4 to 8 P.M. Generally cloudy with mist last two hours. Light breze from the South, Barometer rising a little. Aneroid 30.04 at end of watch. At 5.45 Flagship made general signal 2985.

H. O. Dunn Ensign

8 P.M to Midnight. Cloudy but pleasant. Light breze from S. Barometer steady. Aneroid barometer 30.02.

Karl Rohrer, Lieut

Moon's mid Examined and found to be correct.
Dec 2° 24' 35" S.
Phase Full moon.

P. H. Parker
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Auckland			S.S.E	S	2		30.08	67	64	62		oc m	Cir cum	0	S	
2	"		"	SSE.	2		30.06	67	64	62		"	"	0	"	
3	"		"	S.	2		30.06	67	64	62		"	"	0	"	
4	"		"	"	2		30.04	67	64	62		"	"	0	"	
5	"		"	"	1		30.03	66	64	62		"	"	0	"	
6	"		"	"	1		30.05	66	64	62		"	"	0	"	
7	"		"	"	1		30.09	66	64	42		"	"	0	"	
8	"		"	"	1		30.10	66	64	42		"	"	0	"	
9	"		S.	"	1		30.12	67	65	63		oc	"	0	"	
10	"		"	"	1		30.14	67	65	63		"	"	0	"	
11	"		"	"	1		30.14	67	66	64		"	"	0	"	
Noon.	"		"	"	1		30.14	67	67	64		bc	cir cum	2	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 1450 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1650 "
Coal consumed during the preceding 24 hours — tons 300 lbs.
Coal remaining on hand at Noon — 117 " 1196 "

P. M.																
1	"		S	S	1		30.14	67	67	64		bc	cir cum	3	"	
2	"		"	"	1		30.14	67	67	64		"	"	3	"	
3	"		"	"	1		30.10	67	67	64		"	"	3	"	
4	"		"	"	1		30.08	70	67	64		"	"	2	"	
5	"		SSE	"	2		30.06	69	66	62		"	"	2	"	
6	"		"	"	2		30.04	68	64	62		"	"	2	"	
7	"		"	"	2		30.06	68	64	62		"	"	2	"	
8	"		"	"	2		30.06	68	64	62		"	"	4	"	
9	"		"	"	2		30.08	68	64	62		"	"	3	"	
10	"		"	"	2		30.10	68	64	62		"	"	3	"	
11	"		"	"	3-4		30.10	67	64	62		oc	Cum cumb	0	"	
Mid.	"		"	"	3-4		30.10	67	64	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. October 25d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant, light airs from S^d, Barometer falling. Aneroid at end of watch 29.98.

Chas Smith Lieut

4 to 8 A.M. Overcast cloudy and misty. Light airs from South. Barometer rising. Aneroid 30.01 at end of watch. At 7.30 Flagship made general signal 3350. Liberty party returned on board.

H. O. Dunn Ensign

8 A.M. to Meridian. Weather pleasant though cloudy, light breeze from S. Barometer steady. Mustered and inspected crew at 9.30. Exercised battalion armed and equipped as per squadron order. The English squadron went to sea. At 9.25 Flagship made signal. No. 1087. Answd. Chas Carroll Actg Gen W. Jones. (CB.) and Wm Toole, '2d' absent from ship without leave and an offer of a reward of ten dollars. each, was sent ashore for their apprehension and delivery on board.

Karl Rohrer Lieut

Meridian to 4 P.M. Weather cloudy and pleasant, light airs from S^d Barometer steady. The Commanding Officer left the ship on official business at 1.00. Aneroid barometer at end of watch 29.98.

Chas Smith Lieut

4 to 8 P.M. Weather pleasant. Barometer rising. Cirro-cumulus clouds. Light breeze from S. Flagship made signal No. 1087 at 6. Ans. Mustered crew at Quarters at 4.45 and found the same men absent as at morning quarters

Karl Rohrer Lieut

8 P.M. to Midnight, Weather overcast. Light to moderate breeze from S^d Barometer steady. Aneroid at end of watch 30.02.

Chas Smith Lieut

Moon's mi'd
Dec. 2° 46' 48" N
Phase. Full moon.

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer Essex. , 3d Rate, 6 Guns,

Callao. Peru. S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.S.E	3		30.05	66	64	62		oc	cirrus	0	S	
2	"		"	"	3		30.04	66	64	62		"	"	0	"	
3	"		"	"	3		30.02	66	63	62		"	"	0	"	
4	"		"	"	3		30.00	66	62	61		"	"	0	"	
5	"		"	S	2		30.03	65	63	61		bc	"	2	"	
6	"		"	"	2		30.05	65	63	60		"	"	2	"	
7	"		"	SE	2		30.10	65	64	61		"	"	2	"	
8	"		"	S	2		30.11	66	64	61		"	"	2	"	
9	"		S.	"	1		30.11	66	64	61		oc	"	0	"	
10	"		"	"	1		30.11	66	64	61		"	"	0	"	
11	"		"	"	1		30.11	66	64	61		"	"	0	"	
Noon.	"		"	"	1		30.10	66	64	61		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 415 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1185 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 121 " 476 "

P. M.																
1	"		S.	S.	2		30.08	69	67	63		bc	cir cumu	6	"	
2	"		"	"	1		30.06	69	67	63		"	"	7	"	
3	"		"	"	2		30.05	69	66	62		"	"	7	"	
4	"		"	"	2		30.05	69	66	62		"	"	7	"	
5	"		S.S.E	S×E	2		30.04	69	65	62		"	cir cumu strat-	6	"	
6	"		"	"	2		30.03	68	64	62		"	"	5	"	
7	"		"	S.S.E.	2		30.03	68	64	62		"	"	4	"	
8	"		"	"	2		30.03	68	64	62		"	"	4	"	
9	"		"	"	3		30.03	68	64	62		"	"	4	"	
10	"		"	"	3		30.06	66	64	62		"	"	4	"	
11	"		"	"	3		30.08	66	64	62		"	"	4	"	
Mid.	"		"	"	3		30.08	66	64	62		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, October 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and cool. Moderate breeze from S.S.E. Aneroid barometer 30.06.

W. W. Smith Master

4 to 8 A.M. Weather pleasant but cloudy. Barometer rising. Light breeze from S.E. to S. Clouds cumulus and nimbus. Abg. 30 Flagship made signal No. 3350. Ans'd.

Wm. N. Allen Lieut

8 A.M. to Meridian. Weather cloudy and pleasant, light breeze from S., Barometer steady. Mustered at quarters abg. 25. Abg. 30 Rear Admiral George B. Balch, U.S.N. Comdg Pacific Station came on board accompanied by his official staff and was received with the honors pertaining to this position. Preliminary to the inspection of the ship during the forenoon cleared ship for action, exercised at general quarters, examined crews in gunnery catechism, exercised at Gatling gun and howitzer, single sticks, small arms and exercised with torpedoes, Aneroid at end of watch 29.98.

E. Rice Lieut

Meridian to 4 P.M. Clear and pleasant. Light breeze from S. At 12m the Chilean ironclad "Huascar" got underway and left the harbor. At 1 resumed inspection. Exercised crew at fire quarters, abandoning ship, and away all boats, armed and equipped for distant service. Received on board in Equipt Dept 3 1846/2240 tons of anthracite coal, Aneroid barometer 30.00.

W. W. Smith Master

4 to 8 P.M. Weather cloudy and pleasant. Light airs from S.E. Barometer steady. Mustered at quarters at 4.45. Paid a reward of ten dollars to police authorities for the apprehension and delivery on board of Wm. Poole, O.S. Aneroid at end of watch 30.02.

E. Rice Lieut

8 P.M. to Midnight, Pleasant weather. Gentle breeze from S.S.E. Barometer rising. Aneroid barometer at the close 30.01.

W. W. Smith Master

Moon's mid Examined and found to be correct.
Dec 7° 50' 09" N.
Phase Full moon.

W. F. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S	S.	1		30.06	66	63	61		bc	cir cum	3	8	
2	"		"	"	0-1		30.04	66	63	61		"	"	3	"	
3	"		S W.	N W.	0-1		30.02	65	63	61		"	"	4	"	
4	"		W N W.	"	0-1		30.02	65	63	61		"	"	4	"	
5	"		"	"	0-1		30.01	65	63	60		"	"	6	"	
6	"		N x W.	"	0-1		30.02	65	62	59		"	"	6	"	
7	"		"	"	0-1		30.02	65	62	59		"	"	6	"	
8	"		"	"	0-1		30.04	65	62	59		"	"	4	"	
9	"		W N W.	"	1		30.10	65	63	61		"	"	6	"	
10	"		"	"	1		30.10	65	63	61		"	"	6	"	
11	"		"	"	1		30.10	66	65	62		"	"	8	"	
Noon.	"		"	"	1		30.10	66	66	63		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 305 gallons.

Water *received* during the preceding 24 hours — 1850 "

Water remaining on hand fit for use at Noon — 3000 "

Coal consumed during the preceding 24 hours — tons 100 lbs.

Coal remaining on hand at Noon — 120 " 1716 "

P. M.																
1	"		S.S.W.	S.S.W	1		30.03	69	66	63		bc	cir cum	8	"	
2	"		S.	S.	1		30.06	69	66	63		"	"	8	"	
3	"		"	"	2		30.00	70	66	63		"	"	9	"	
4	"		"	"	2		30.00	70	66	63		"	"	9	"	
5	"		"	"	3		30.00	70	66	63		"	"	7	"	
6	"		"	"	2		30.03	69	65	61		"	Cir Cum Nimbi	7	"	
7	"		"	"	2		30.03	69	64	61		"	"	3	"	
8	"		"	"	2		30.03	68	64	61		oc	Cumulus	0	"	
9	"		S.S.E.	S.S.E.	1		30.08	68	65	62		bcm	cir cum	2	"	
10	"		"	"	1		30.07	67	66	63		"	"	2	"	
11	"		S.	S	1		30.07	66	65	62		"	"	2	"	
Mid.	"		S.S.E	S.S.E.	1		30.07	66	64	62		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, October 25th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, and pleasant. Light variable airs. Bright moonlight. Aneroid 29.96.

Wainwright-Keeney
Lieut

4 to 8. A.M. Weather clear, and pleasant. Light airs from N.W and calms Barometer rising. Aneroid at end of watch 30.02.

Lieut

8 A.M to Meridian. Weather overcast and sultry with light airs from S.E and W. Mustered at quarters at 9.30, and inspected arms. At 10.10 sent prisoner P. M. Shubrick, 'C.T.' on board U.S.S "Iroquois" to attend General Court-Martial. Lieuts Parker and Rohrer went aboard the U.S.S. "Iroquois" as members of the General Court-Martial convened on board and P. Midn Howard Barnett, Sergt Smith. M.C. and Louis Schuman C.A.G. as witnesses. Aneroid at end of watch 30.00.

H.C. Haines, Midn.

Meridian to 4 P.M. Clear and warm. At 1. sea breeze set in from S.E. At 3. received prisoner from "Iroquois" At 3.30 Flagship made signal 29 4. Answered 29.96. Received on board 1850 gallons of water.

Wainwright-Keeney
Lieut

4 to 8 P.M. Weather cloudy and pleasant. Light breeze from S. latter part of watch sky overcast. Light showers of rain. Aneroid at end of watch 29.99.

H.C. Haines, Midn.

8 P.M to Midnight. Hazy and pleasant. Light variable airs. Bright moonlight. Aneroid 30.00.

Wainwright-Keeney
Lieut

Moon Culminated.
Dec 12° 26' 36" N.
Phase Full moon

Examined and found to be correct.

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E.	S.S.E.	1		30.04	66	64	62		bcm	circum	2	8	
2	"		"	"	1		30.04	66	64	62		"	"	6	"	
3	"		"	"	1		30.04	66	64	62		"	"	6	"	
4	"		W.S.W.	Calm	0		30.04	66	64	62		oc	cir nimb	0	"	
5	"		N.N.W.	"	0		30.04	65	63	61		"	"	0	"	
6	"		"	"	0		30.06	65	63	61		"	"	0	"	
7	"		"	"	0		30.08	65	64	62		"	"	0	"	
8	"		"	"	0		30.10	65	64	62		"	"	0	"	
9	"		S.W.	S.S.E.	0-1		30.11	66	65	62		"	"	0	"	
10	"		"	"	0-1		30.11	66	65	62		bc	cir cumo	3	"	
11	"		"	"	0-1		30.12	66	65	62		"	"	0	"	
Noon.	"		S.S.W.	S.	1		30.12	66	66	63		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 355 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2645 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 120 " 1416 "

P. M.																
1	"		S.S.W.	S.S.W.	1		30.08	69	66	62		bc	Cir cumu	8	"	
2	"		"	S.x.W.	1		30.07	69	66	62		"	"	8	"	
3	"		S.	S.S.E.	1		30.06	69	66	62		"	"	8	"	
4	"		S.S.E.	"	1		30.05	70	65	62		"	"	8	"	
5	"		"	"	3		30.06	70	65	62		"	"	8	"	
6	"		"	"	3		30.06	70	65	62		"	"	6	"	
7	"		"	"	3		30.06	70	65	62		"	"	6	"	
8	"		S.	S.	3		30.06	68	65	62		oc no	Cir cumu Nimb	0	"	
9	"		"	"	2		30.08	68	64	62		"	"	0	"	
10	"		"	"	2		30.10	67	64	62		"	"	0	"	
11	"		"	S.x.E.	3		30.10	67	63	62		"	"	0	"	
Mid.	"		"	"	3		30.10	67	63	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, October 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Generally cloudy. Overcast last hour. Misty. Sight pairs from S.S.E. Calm last hours. Barometer steady. Aneroid 29.98 at end of watch.

A.D. Dunn Ensign.

4 to 8 A.M. Overcast and cloudy. Calm. Barometer rising slowly. Scrubbed main top gallant mast and got it up and down. Aneroid barometer 30.01

W. W. Sumner
Master

8 A.M. to Meridian. Cloudy first two hours, clear and warm last two. At 9.30 mustered at quarters and exercised at rigging and firing torpedoes. By order of Commanding Officer Daniel Howell, Sdsm was placed in solitary confinement on bread and water for five days for drunkenness on duty. Guiseppi Sesano, Cabin Boy, one day extra duty for throwing ashes overboard and Wm H. Nudds. R.R. Steward five days extra duty for throwing government property overboard. Aneroid 30.00

Wainwright Lee-Kellogg Lieut.

Meridian to 4 P.M. Clear pleasant weather. Sight airs from S. S. W. and S.S.E. Barometer falling slowly. Aneroid 29.98 at end of watch. Received on board in Medical Dept. three boxes of medical stores.

A.D. Dunn Ensign.

4 to 8 P.M. Clear and pleasant. Sight to moderate breeze from S. At 4.45 mustered at quarters. Edward Forde (Sds) and Jas H. Berry (OS) were brought on board by the authorities from shore and placed in double irons for safe keeping. Aneroid 30.04

Wainwright Lee-Kellogg Lieut.

8 P.M. to Midnight. Overcast, cloudy and misty. Sight breeze from South first part, gentle breeze from S by E. last half of watch. Barometer steady. Aneroid 30.00 at midnight.

A.D. Dunn Ensign

Moon's mid Examined and found to be correct.
Dec 16 12 28 N
Phase Last quarter

W. F. Parker
Lieutenant-U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao, Peru, S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E.	S S W	1		30.05	66	63	61		bcm	circum	4	8	
2	"		"	"	1		30.04	66	63	61		"	"	4	.	
3	"		"	"	1		30.02	66	63	61		"	"	4	"	
4	"		"	"	1		30.02	66	63	61		"	"	4	"	
5	"		"	"	1		30.01	66	63	61		"	"	4		
6	"		"	"	1		30.02	66	63	61		"	"	1		
7	"		S	S	1		30.04	66	63	61		"	"	6		
8	"		S S W.	Calm	0		30.05	66	63	61		"	"	8		
9	"		N	N W.	1		30.07	67	64	62		bc	"	5		
10	"		"	"	1		30.08	67	66	63		"	"	5		
11	"		S S W.	S S W.	1		30.08	68	66	63		"	"	6		
Noon.	"		"	"	1		30.08	69	67	64		"	"	8		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 340 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2305 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 120 " 1776 "

P. M.																
1	"		S x W.	S.	1		30.06	70	67	64		bc	circum	8	"	
2	"		"	"	1		30.05	71	67	64		"	"	7	"	
3	"		"	"	1		30.05	71	67	64		"	"	6	"	
4	"		"	S x E.	2		30.03	71	66	63		"	"	3	"	
5	"		S S E.	"	2		30.04	70	66	63		"	"	3	"	
6	"		"	"	2		30.03	69	65	62		"	"	3	"	
7	"		"	S S E.	1		30.03	69	64	61		"	"	3	"	
8	"		"	"	1		30.02	69	64	62		bcm	"	3	"	
9	"		"	"	1		30.06	68	64	62		bc	"	3	"	
10	"		"	"	1		30.06	68	64	62		"	"	5	"	
11	"		"	"	1		30.06	68	64	62		"	"	5	"	
Mid.	"		"	"	1		30.06	67	64	62		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, October 27th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant. Gentle breeze from S. and W. Barometer steady. Aneroid at end of watch 30.06.

P. Lee Lieut

4 to 8 A.M. Clear and pleasant. Light variable airs and calm. Aneroid 30.00.

W. Winningham Yeoman

Lieut

8 A.M. to Meridian. Clear pleasant weather. Light airs from N.W. and S.S.W. Barometer steady. Aneroid 29.99 at noon. At 9.30 mustered and inspected crew at quarters. Absent without leave. M. J. A. Bernhardt (Carp.) Instructed apprentices in signalling and 1st division at 3 in Rifle. By order of Comdg Officer awarded the following punishments. Wm Toole 3d Wm Warmer (Sd) John Clunis (Sd) R. C. Martin (Sd) and E. B. Winslow (Sd) one day extra duty each. for having articles in lucky bag. and Edw. Forde (Sd) and James H. Berry (CB) were placed in double irons to await trial by Court martial for desertion.

Lieut

W. Dunn. Ensign

Meridian to 4 P.M. Received prisoner from "Iroquois" at 12.10. M. J. A. Bernhardt, (Carp.) returned onboard at 12.50. Rec'd onboard one case of turpentine and 10 lbs of marline in Steam Engineering Department Weather clear and pleasant. Light airs from S. Barometer falling. Aneroid at end of watch 29.98.

P. Lee Lieut

4 to 8 P.M. Generally cloudy but pleasant. Light breezes and airs from S by E and S.S.E. Barometer falling slowly. Aneroid 29.90 at end of watch. At 4.50 made general signal (Sub) 6222 to Flagship which was answered by 901. Scraped spars.

W. Dunn. Ensign

8 P.M. to Midnight. Weather partly cloudy and pleasant. Light airs from S.S.E. Barometer steady. Aneroid at end of watch 30.00.

P. Lee Lieut

Moon's mid. Examined and found to be correct.
Dec 18° 51' 51" N.
Phase. Last quarter

W. H. Parker
Lieutenant.
& Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,
Callao, Peru, S.A

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S & E	S.S.E.	1		30.02	67	64	62		bc	cir cumu	5	S	
2	"		"	"	1		30.00	67	64	62		"	"	6	"	
3	"		"	"	1		29.99	66	64	62		"	"	5	"	
4	"		"	"	1		29.99	66	64	62		"	"	5	"	
5	"		S	S.S.W.	1		30.03	66	64	62		"	"	6	"	
6	"		S.S.W.	"	1		30.05	64	64	61		"	"	6	"	
7	"		S.S.E.	"	1		30.07	63	63	61		"	"	6	"	
8	"		E.N.E.	N.E.	1		30.08	64	63	61		"	"	4	"	
9	"		W.N.W.	Calm	0		30.10	66	64	62		oc	cir cumu & cumb	0	"	
10	"		"	W.N.W.	0-1		30.10	66	64	62		"	"	0	"	
11	"		"	"	0-1		30.10	68	65	63		bc	"	2	"	
Noon.	"		"	"	0-1		30.10	68	66	64		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 325 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1980 "
Coal consumed during the preceding 24 hours — tons 300 lbs.
Coal remaining on hand at Noon — 120 " 816 "

P. M.																
1	"		S.W.	S.	0-1		30.09	68	68	64		bc	cir cumu	3	"	
2	"		"	S.S.W.	1		30.08	69	68	64		"	"	3	"	
3	"		"	"	1		30.07	69	68	64		"	"	3	"	
4	"		"	"	2		30.06	69	68	65		"	"	3	"	
5	"		"	"	2		30.06	68	68	65		"	"	2	"	
6	"		S.S.E	S.S.E.	2		30.06	68	65	63		"	cir cir & cumu	3	"	
7	"		"	"	2		30.06	68	65	63		"	cir cumu	11	"	
8	"		"	"	2		30.05	66	64	62		"	"	6	"	
9	"		"	"	2		30.07	66	64	62		"	"	5	"	
10	"		"	"	2		30.09	66	64	62		"	"	11	"	
11	"		"	"	2		30.09	66	64	62		"	"	2	"	
Mid.	"		"	"	3		30.09	66	64	62		oc	mimb	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy.

Saturday, October 28th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Light breeze from S.S.E. Barometer falling slowly. Aneroid barometer at the close 29.96.

W. W. Smith Master

4 to 8 A.M. Overcast and cloudy. Light airs from S.S.W and N.E. Barometer rising slowly. Aneroid 30.02 at end of watch. Received on board in Pay Dept 89 lbs of fresh bread and 116 lbs of fresh buffalo also in Construction Department one new foretopgallant mast. At 7.30 Flagship made general signal 3350.

R. D. Wynn. Ensign.

8 A.M. to Meridian. Weather overcast and pleasant. Light airs from N.W. Barometer rising. At 9.40 made signal, interrogatory 6141. the "Pensacola" answered 9014. At 9.45 sent up topgallant masts. The new foretopgallant mast having jammed aloft made signal 6140. The "Pensacola" answered 9014. At 10.15 sent up topgallant masts. Aneroid barometer at end of watch 30.10. Sent prisoner and officers to attend General Court Martial on board the "Pensacola" at 9.50.

C. P. Rae Lieut.

Meridian to 4 P.M. Weather overcast and pleasant with light breeze from S. and W. About 12.05 the Chilian ironclad "Blanco Encalada" came in and anchored, Rear Admiral Geo. E. Balch Commanding Pacific station visited the ship. Received prisoner and officers from General Court-martial. Aneroid barometer at the close 30.08.

Geo. P. Blow Midn.

4 to 8 A.M. Weather partly cloudy and pleasant. Gentle breeze from S.S.E. Barometer steady. Mustered at quarters at 4.45. Rear Admiral Balch left the ship at 4.50. Aneroid at end of watch 30.01.

C. P. Rae Lieut.

8 P.M. to Midnight. Cloudy and cool. Light breeze from S.S.E. Barometer rising. Aneroid barometer at the close 30.02.

W. W. Smith Master

Moon's mid Dec. 20° 15' 49" N.
Phase. Last quarter.

Examined and found to be correct.

W. H. Parker
Lieutenant
& Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	"		S	S.	3		30.05	66	64	62		oc	nimb	0	8	
2	"		"	"	3		30.05	66	64	62		"	"	0	"	
3	"		"	"	3		30.05	66	64	62		"	"	0	"	
4	"		"	"	3		30.05	66	64	62		"	"	0	"	
5	"		S.S.E.	S.S.E	1		30.07	66	64	62		"	"	0	"	
6	"		"	"	1		30.09	66	64	62		"	"	0	"	
7	"		"	"	1		30.12	66	64	62		"	"	0	"	
8	"		"	"	1		30.13	66	64	62		"	"	0	"	
9	"		"	"	1		30.13	66	64	62		bc	circum	3	"	
10	"		"	"	1		30.12	67	65	62		"	"	4	"	
11	"		"	"	2		30.11	68	66	63		"	"	3	"	
Noon.	"		"	"	2		30.11	68	66	63		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 325 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1655 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 120 " 536 "

P. M.																
1	"		S.S.E.	S.S.E.	2		30.09	69	68	64		bc	circum	2	"	
2	"		"	"	3		30.09	69	68	64		"	"	4	"	
3	"		"	"	3		30.08	69	67	63		"	"	3	"	
4	"		"	"	2		30.07	68	67	63		"	"	3	"	
5	"		"	"	2		30.06	68	65	62		"	"	2	"	
6	"		"	"	2		30.06	68	65	62		"	"	1	"	
7	"		"	"	3		30.08	68	65	62		oc	circum & strat	0	"	
8	"		"	"	3		30.11	68	65	63		"	nimb	0	"	
9	"		"	"	2		30.11	68	64	62		"	"	0	"	
10	"		"	"	2		30.11	68	64	62		bc	circum	3	"	
11	"		"	"	2		30.11	68	64	62		"	"	3	"	
Mid.	"		"	"	2		30.10	67	64	62		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, October 29th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Light breze from South Observed moonlight. Aneroid 30.00. Wainwright-Keeler
for Lieut

4 to 8 A.M. Weather overcast and pleasant, light breze from S^d and E^d. Barometer rising. At 7.30 the Flagship signalled 3350. Aneroid at end of watch 30.06.

Lieut

8 A.M. to Meridian. Weather warm and pleasant with light breze from S.S.E. Mustered at quarters at 9.30. when Commanding Officer inspected ship and crew. Aneroid barometer at the close 30.04

L. P. Blow C. Midn.

Meridian to 4 P.M. Clear and pleasant with moderate breze from S^d Barometer falling slightly. Sent visiting parties to "Pensacola" & "Iroquois" Aneroid barometer at end of watch 30.00. Wainwright-Keeler
for Lieut

4 to 8 P.M. Weather overcast and pleasant with moderate breze from S.S.E. Barometer falling slowly. Flagship made signal 2985. Answered and tricad up clothes lines. Aneroid bar. at end of watch 30.04.

H. C. Haines C. Midn

8 P.M. to Midnight. Cloudy. Pleasant, light breze from S^d Aneroid 30.02. Wainwright-Keeler
for Lieut

Moon's mid Dec 20° 23' 26" N Phase Last quarter

Examined and found to be correct.

W. T. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Callao Bay. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E.	S.S.E.	2		30.07	67	64	61		bc	Cicumm	6	8	
2	"		"	"	2		30.06	67	64	61		"	"	6	"	
3	"		"	"	2		30.04	67	64	61		"	"	6	"	
4	"		"	"	2		30.04	67	64	61		"	"	6	"	
5	"		S.E	S.E	2		30.05	65	64	62		"	"	3	"	
6	"		"	"	1		30.08	65	64	62		"	"	2	"	
7	"		"	"	1		30.05	65	64	62		"	"	1	"	
8	"		S.S.E.	S.S.E	1		30.07	65	64	62		"	"	2	"	
9	"		"	"	2		30.10	65	64	62		"	"	6	"	
10	"		"	"	2		30.10	68	65	63		"	"	8	"	
11	"		"	"	2		30.13	68	65	63		"	"	8	"	
Noon.	"		"	"	2		30.13	68	65	63		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1325 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 120 " 236 "

P. M.																
1	"		S.S.E	S.S.E	2		30.10	68	66	63		bc	Cicumm	8	"	
2	"		"	"	2		30.07	68	66	63		"	"	8	"	
3	"		"	"	2		30.05	70	66	63		"	"	8	"	
4	"		"	"	2		30.05	70	66	63		"	"	8	"	
5	"		"	"	2		30.05	69	65	63		"	"	5	"	
6	"		"	"	1		30.06	69	64	62		"	Cicto Cumm	5	"	
7	"		"	"	2		30.06	69	64	62		"	Cumm	5	"	
8	"		"	"	2		30.08	69	64	62		"	"	5	"	
9	"		"	"	2		30.08	69	64	62		oc m	Cicumm Nimb	0	"	
10	"		"	"	2		30.09	67	63	61		"	"	0	"	
11	"		"	"	2		30.09	67	64	62		"	"	0	"	
Mid.	"		"	"	1		30.08	67	63	61		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, October 30th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant weather. Light breze from S.S.E. Barometer falling slowly, Aneroid 30.00 at end of watch.

F.O. Dunn, Ensign

4 to 8 A.M. Cloudy and damp. Light breze from S.E. Barometer steing At 7.30 Flagship "Pensacola" made general signal 335. Aneroid bar. 30.04

W.M. Smith Master

8 A.M to Meridian. Clear and warm. Moderate breze from E.S.E. At 9.30 mustered at quarters. Stationed men at making sail. Aneroid 30.00.

Warning the Kellogg Smith

Meridian to 4 P.M. Weather clear and pleasant. Fresh breze from S.E. and E. At 1 P.M. called away Sailing launch. Gig. 1st Whale boat. 2d Cutter and Steam launch, and exercised at fleet tactics under sail. At 3.30 "Pensacola" made general signal 298. Made preparations for hoisting in steam launch, Aneroid at end of watch 29.96.

A.C. Haines C. Midn

4 to 8 P.M. Discharged from this ship and from the U.S. Naval Service at his own request and by order of Rear Admiral Geo. B. Balch U.S.N. Comdg U.S. Naval Force, Pacific Station, Guiseppi Sesanna, Cabin Cook. Cloudy. Pleasant. Light breze from S.S.E. At 4.45 mustered at quarters. Aneroid 30.02.

Warning Lieut Kellogg Smith

8 P.M. to Midnight. Overcast and cloudy with heavy mist. Light breze from S.S.E. Barometer steady. Aneroid 30.06 at midnight.

F.O. Dunn, Ensign

Meron l. mid

Dec 19° 21' 10" N.

Phase, Last quarter

Examined and found to be correct.

W.T. Parker
Lieut and Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay, Peru, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.06	67	63	61		occ m	Cir cum Zonumb	0	S	
2	"		"	"	2		30.05	67	63	61		"	"	0	"	
3	"		"	"	2		30.04	67	63	61		"	"	0	"	
4	"		"	"	2		30.02	67	63	61		"	"	0	"	
5	"		SE.	SE.	1		30.01	66	64	62		"	Numb	0	"	
6	"		"	"	1		30.03	65	64	62		"	"	0	"	
7	"		"	"	1		30.05	65	64	62		"	"	0	"	
8	"		"	"	1		30.07	65	64	62		"	"	0	"	
9	"		"	"	0-1		30.07	66	65	63		"	Circum	0	"	
10	"		"	"	0-1		30.07	66	65	63		"	"	0	"	
11	"		"	"	0-1		30.07	66	67	63		bc	"	2	"	
Noon.	"		"	"	1		30.04	68	68	64		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.
Latitude by D. R. at Noon ° ' "
Longitude by D. R. at Noon ° ' "
Latitude by Observations at Noon ⊙ ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ ° ' "
Current during the time , knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "
Variation of the Compass by Azimuth ⊙ observed at ° ' "
Water expended during the preceding 24 hours 335 gallons.
Water during the preceding 24 hours "
Water remaining on hand fit for use at Noon 990 "
Coal consumed during the preceding 24 hours tons 360 lbs.
Coal remaining on hand at Noon 119 " 2176 "

P. M.																
1	"		SSE	SSE	1		30.03	69	67	63		bc	Cir cum	2	"	
2	"		"	"	1		30.01	69	66	64		"	"	1	"	
3	"		"	"	1		30.00	69	66	64		"	"	1	"	
4	"		"	"	1		30.00	69	66	64		"	"	1	"	
5	"		"	"	1		29.96	69	66	64		oc	Cir cum Numb	0	"	
6	"		"	"	1		30.00	68	66	64		bc	"	1	"	
7	"		"	"	1		30.00	68	66	64		"	"	1	"	
8	"		"	"	1		30.00	68	66	64		occ m	"	0	"	
9	"		"	"	2		30.01	68	65	63		"	"	0	"	
10	"		"	"	2		30.01	68	65	63		"	"	0	"	
11	"		"	"	1		30.01	67	65	64		"	"	0	"	
Mid.	"		"	"	1		30.01	67	65	64		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "
Longitude by Chronometer from Observations * ° ' "
Variation of the Compass by Amplitude observed at Sunset ° ' "
Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Tuesday, October 31st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant. Light airs from S.S.E. Barometer falling. Aneroid at end of watch 29.98.

P. Ross Asst

4 to 8 A.M. Cloudy, Hazy. Light airs from S.E. Aneroid 30.00. Privates Peter N. Husted and Geo. W. Hotner, U.S.M.C. and Louis Swenner, "Cooper" left the ship for the hospital in Lima for medical treatment.

Wainwright-Kellogg Asst

8 A.M. to Meridian. Cloudy but pleasant weather. Mists. Light airs from S.E. Barometer steady. Aneroid 29.98 at noon. At 9.30 mustered and inspected crew at quarters. Exercised 1st division at target practice with boat howitzer. 2d division at great guns 3d division at Gatling gun and Marine guard at small arms. By order of Comdg Officer Joseph P. King (Armorer) was placed in solitary confinement for two days for being drunk and noisy on return from liberty, and released Danl. Howell (Lds) from confinement.

H. O. Dunn. Ensign

Meridian to 4 P.M. Cloudy and pleasant. Light airs from S.S.E. Barometer falling. The Commanding Officer of the Chilian man of war "Blanco Encalada" paid an official visit to the ship at 1.20. H.M.S. "Swiftsure" and "Mutine" came in and anchored at 2.45. the band of the Flagship "Pensacola" playing the British national airs and the Marine guards on the vessels of the American squadron presenting arms. The prisoner on trial before the General Court-Martial was sent to the "Iroquois" at 1.00 and returned to the ship at 2.50. Aneroid barometer at end of watch 29.93.

P. Ross Asst

4 to 8 P.M. Overcast and cloudy weather. Misty last part. Light airs from S.S.E. Barometer steady. Aneroid 29.98. at end of watch. At 4.45 mustered at quarters Enlisted on board Ah Sam as landsman for special service for the cruise. At 5.50 Flagship made signal 2985.

H. O. Dunn. Ensign

8 P.M. to Midnight, Overcast and wet. Light airs from S.S.E. Barometer steady. Aneroid at end of watch 29.87.

P. Ross Asst

Moon's mid Examined and found to be correct.
Dec 17° 20' 08" N
Phase. Last quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER.. Height in inches.	BAROMETER.. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		29.98	66	65	63		ocn	nimbus	0	S	
2	"		"	"	1		29.98	66	65	64		ocm	cumulus	0	"	
3	"		"	Calm	0		29.98	66	65	64		bcm	circum	5	"	
4	"		"	"	0		29.98	66	65	64		"	"	3	"	
5	"		"	"	0		29.96	66	65	64		bcf	"	3	"	
6	"		"	"	0		29.96	66	65	64		"	"	3	"	
7	"		"	"	0		29.98	66	65	64		bcm	"	6	"	
8	"		"	"	0		29.98	66	65	64		"	"	0	"	
9	"		WNW	"	0		30.00	67	67	63		"	"	0	"	
10	"		"	"	0		30.00	67	67	63		"	"	0	"	
11	"		"	"	0		30.00	67	67	63		bc	"	8	"	
Noon.	"		WSW	"	0		30.02	70	69	65		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 340 gallons.

Water [illegible] during the preceding 24 hours — 750 "

Water remaining on hand fit for use at Noon — 11400 "

Coal consumed during the preceding 24 hours — tons 1200 lbs.

Coal remaining on hand at Noon — 119 " 976 "

P. M.															
1	"		W.	WNW.	1		30.02	70	69	65		bc	cir cum	8	S
2	"		SW x S	"	2		30.01	72	70	66		"	"	8	"
3	"		"	WSW	2		29.99	72	71	66		"	"	6	"
4	"		"	S	1		29.99	72	70	65		"	"	2	"
5	"		ESE.	SSE	1		30.00	69	68	65		"	Cir cum & str	3	"
6	"		"	"	2		30.01	68	68	65		"	"	4	"
7	"		"	"	1		30.02	69	67	65		"	"	4	"
8	"		"	"	1		30.04	68	67	65		"	"	4	"
9	"		"	"	1		30.04	68	68	65		ocm	Cir cum Cumulus	0	"
10	"		"	"	1		30.05	68	66	64		"	"	0	"
11	"		"	"	1		30.05	68	66	64		"	"	0	"
Mid.	"		ENE	ENE.	1		30.05	64	65	63		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, November 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy and misty. Moon faintly visible. Light airs from S.S.E and calms. Barometer steady. Aneroid barometer at the close 29.90.

W. M. Dunn
Master

4 to 8 A.M. Cloudy and foggy first part, misty latter part of watch. Calm. Barometer rising. Aneroid 29.96 at end of watch. Received on board in Paymasters department for issue to crew 110 lbs of fresh beef 110 lbs of fresh vegetables and 88 loaves of bread. At 7.30 Flagship made general Signal 3360.

H. O. Dunn. Ensign

8 A.M. to Meridian. Weather partly cloudy and pleasant, Calm. Barometer steady. Mustered at quarters at 9.36. Called away all boats armed and equipped at 9.40 and exercised at naval tactics under oars. Received on board 750 gallons of fresh water. Started fires under two forward boilers for distilling at 11.00. Got warp on starboard chain to swing ship broadside to wind and veered to 45 fathoms at chain pipe. Aneroid at end of watch 29.93.

J. Rees Lieut

Meridian to 4 P.M. Pleasant weather. Light breeze from N. by W. hauling to S., Veered to 45 fathoms on starboard chain at the waters edge and hauled in on warp. At 3.30 "Pensacola" made signal 2984. Answered, followed immediately by signal (general) 4881. Answered. Got up hammocks & girtlines both sides. Commenced distilling at 1.00. Aneroid barometer 29.93.

W. M. Dunn Master

4 to 8 P.M. Weather cloudy and pleasant. Light breeze from S.S.E. Barometer rising. Mustered at quarters at 4.45 and serbed out clean hammocks. Distilling fresh water. Aneroid barometer at end of watch 29.98.

J. Rees Lieut.

8 P.M. to Meridian. Overcast and cloudy. Light breeze from S.S.E. Barometer steady. Aneroid barometer at the close 29.98.

W. M. Dunn Master

Moon's mid Examined and found to be correct.
Dec. 14° 32' 36" N.
Chas Fullonton

W. H. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru, S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E & N.	S.S.E.	3		30.00	64	64	63		oc nu	Cumulus	0	S	
2	"		"	"	3		30.01	64	64	63		"	"	0	"	
3	"		"	"	2		30.01	64	64	63		"	"	0	"	
4	"		"	"	2		30.01	63	63	62		"	"	0	"	
5	"		"	E.S.E.	1		30.01	63	63	62		"	"	0	"	
6	"		"	"	1		30.01	63	63	62		"	"	0	"	
7	"		"	"	1		30.02	63	63	62		"	"	0	"	
8	"		"	"	1		30.03	63	63	62		"	"	0	"	
9	"		S.S.E.	S.S.E.	1		30.05	64	66	64		bc nu	Cirrus	4	"	
10	"		"	"	1		30.05	68	66	64		"	"	4	"	
11	"		"	"	1		30.06	68	66	64		"	"	4	"	
Noon.	"		"	"	1		30.06	68	66	64		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water distilled during the preceding 24 hours 1830 "

Water remaining on hand fit for use at Noon 2900 "

Coal consumed during the preceding 24 hours 1 tons 2160 lbs.

Coal remaining on hand at Noon 117 " 1056 "

P. M.															
1	"		W.	W.N.W.	1		30.06	68	68	65		bc	Cirrus	4	"
2	"		"	W.S.W.	1		30.02	69	69	66		"	"	4	"
3	"		S.S.W.	S.S.W.	1		30.00	70	69	65		"	"	4	"
4	"		"	"	1		30.00	70	68	65		"	"	4	"
5	"		"	"	1		30.03	70	68	65		"	"	3	"
6	"		"	"	1		30.03	70	68	65		"	"	3	"
7	"		"	"	1		30.03	70	68	65		"	"	3	"
8	"		"	"	1		30.03	70	68	65		"	"	3	"
9	"		"	"	1		30.07	70	68	65		oc nu	"	0	"
10	"		S.S.E.	S.S.E.	1		30.07	69	68	65		"	"	0	"
11	"		"	"	1		30.07	69	68	65		"	"	0	"
Mid.	"		"	"	1		30.07	69	68	65		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, November 2d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Cloudy. Damp. Light breze from S.S.E. Distilling. Aneroid 29.96. Wainwright-Kellogg Lieut

4 to 8 A.M. Weather overcast and misty. Light airs from S.S.E. Barometer rising. Scrubbed hammocks. Stopped Distilling, hauled fires, got warp off cable and hove in to 30 fathoms at capstan. Aneroid at end of watch 29.99. Wainwright-Kellogg Lieut

8 AM to Meridian. Cloudy and hazy. Light airs from S.S.E. Barometer steady. Went to quarters at 9.30 for inspection. Chas Carter (OS) and Ah Sous (Lds) absent without leave. By order of Commanding Officer the following punishments were assigned; Fredk Meyer (Capt) 5 days solitary confinement on bread and water for circulating scandalous reports against a shipmate, Geo. H. Jones (1 Class boy) one days extra duty for not stopping hammocks on line properly and Bernard Burns (P.M.) 5 days extra duty for fighting. By order of Commanding Officer Jos P. Kuig, Armorer was released from confinement and Fredk Meyer (Capt) was placed in solitary confinement for 5 days on bread and water for circulating scandalous reports against a shipmate. Ah Sam, Lds was rated Cabin Cook from Nov 1st, inclusive. Received on board in Paymasters Department a quantity of provisions, clothing and small stores from USS "Onward". Transferred Michael McQuade (Sea) and George Kappel, (Lds) to the Receiving Ship at New York to go to hospital. W. W. Mannix Master

Meridian to 4 P.M. Enlisted for cruise of vessel Fredk Roeas landsman. Pleasant. Light variable breze. Aneroid 30.02. Wainwright-Kellogg Lieut

4 to 8 PM. Pleasant weather. Light breze from S.S.W. Barometer steady. At 4.45 went to quarters and turned in clean hammocks. Aneroid bar. 30.02 W. W. Mannix Master

8 PM to Midnight. Cloudy. Pleasant. Light breze from S.S.E. Aneroid 30.00 Wainwright-Kellogg Lieut

Moon b. mid. Examined and found to be correct.
Dec 11° 10' 51" N
Phase Last quarter

W. J. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			S.SE	S.SE	1		30.05	68	65	63		oc mc	Ci cum Strats	0	8	
2	"		"	"	1		30.04	67	65	63		"	"	0	"	
3	"		"	"	1		30.02	66	65	63		"	"	0	"	
4	"		"	"	1		30.02	66	65	63		"	"	0	"	
5	"		"	"	1		30.04	66	65	63		"	"	0	"	
6	"		"	"	1		30.06	66	65	63		"	"	0	"	
7	"		"	"	1		30.08	66	65	63		"	"	0	"	
8	"		"	"	1		30.10	66	65	63		"	"	0	"	
9	"		"	"	1		30.10	67	65	63		"	"	0	"	
10	"		"	"	1		30.11	68	66	64		oc	"	0	"	
11	"		"	"	1		30.11	68	67	65		"	"	0	"	
Noon.	"		"	"	1		30.11	68	67	65		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water received during the preceding 24 hours — 400 "

Water remaining on hand fit for use at Noon — 2970 "

Coal consumed during the preceding 24 hours — tons 600 lbs.

Coal remaining on hand at Noon — 117 " 756 "

P. M.																
1	"		S.S.E	S.S.E.	1		30.10	68	67	65		oc	Ci cum Strats	0	"	
2	"		"	"	1		30.08	68	67	65		"	"	0	"	
3	"		"	"	1		30.06	68	67	65		"	"	0	"	
4	"		"	"	1		30.06	68	66	64		"	"	0	"	
5	"		S.	S	1		30.07	68	66	63		"	"	0	"	
6	"		S.S.E.	S.S.E.	1		30.06	68	66	63		oc mc	"	0	"	
7	"		"	"	1		30.08	68	65	63		"	"	0	"	
8	"		"	"	1		30.10	69	65	63		"	"	0	"	
9	"		"	"	1		30.12	68	65	63		oc mc	Cumulus	0	"	
10	"		"	"	1		30.12	68	65	63		"	"	0	"	
11	"		"	"	1		30.12	68	65	63		"	"	0	"	
Mid.	"		"	"	1		30.12	67	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, November 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S.S.E. Barometer falling. Aneroid 29.98 At end of watch.

F. O'Flynn. Ensign.

4 to 8 A.M. Overcast cloudy and misty, slightly clearing latter part. Light airs from S.S.E. Barometer rising. Aneroid barometer at the close 30.03. At 7.30 Flagship Pensacola made general signal 335.

W. W. Smith Master

8 AM to Meridian. Cloudy. Warm. Light breze from S.S.E. At 9.30 mustered at quarters. Exercised 1st division in launch at firing at target with 12 pdr Howitzer. 2d at single sticks, 3d at small arms. Mail arrived from U.S. Received on board 100 gallons of fresh water. Received an official from the English Admiral. At 9.00 loosed sail. Aneroid 30.02.

Wainwright-Kellogg Lieut

Meridian to 4 PM Weather overcast and pleasant with light breze from S.S.E. Barometer nearly steady. Received stores for Paymasters and Navigators Departments. Received prisoner and officers from General Court-martial. Sent boat to Flagship for mail. Flagship made signal 2984 Answered. Aneroid barometer 30.02.

Geo. P. Blow Asst Surgeon.

4 to 8 P.M. Cloudy. Damp. Light breze from S., At 4.45 mustered at quarters. Aneroid 30.05.

Wainwright-Kellogg Lieut

(Col)

8 PM to Midnight. Overcast and cloudy with heavy mist. Light airs from S.S.E. Barometer steady. Aneroid 30.04 at midnight.

F. O'Flynn. Ensign

Moon's mid Examined and found to be correct.

Dec 7d 25 13" 7h

Phase, Last quarter

W. H. Purdy
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.S.E	1		30.08	67	65	63		ocm	fa cumb	0	S.	
2	"		"	"	1		30.04	67	65	63		"	"	0	"	
3	"		"	"	1		30.04	67	65	63		"	"	0	"	
4	"		"	"	1		30.04	67	65	63		"	"	0	"	
5	"		"	"	1		30.04	65	63	62		"	"	0	"	
6	"		"	"	1		30.04	65	63	62		ocm	"	0	"	
7	"		"	"	1		30.07	65	63	62		bo	cicum	1	"	
8	"		"	"	1		30.10	65	63	62		"	"	1	"	
9	"		"	"	1		30.09	65	64	62		"	"	1	"	
10	"		"	"	1		30.09	65	64	62		"	"	1	"	
11	"		"	"	1		30.09	65	64	62		ocm	"	0	"	
Noon.	"		"	"	1		30.08	65	64	62		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2535 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 117 " 476 "

P. M.																
1	"		S×E	S×E.	1		30.06	68	65	63		bcm	cicum	2	"	
2	"		"	"	1		30.04	68	65	63		ocfm	"	0	"	
3	"		"	"	1		30.04	68	65	63		"	"	0	"	
4	"		"	"	1		30.04	68	65	63		"	"	0	"	
5	"		S.S.E	S.S.E	1		30.03	67	64	63		of	~~ni~~	0	"	
6	"		"	"	1		30.05	67	64	62		"	~~—~~	0	"	
7	"		"	"	1		30.06	67	64	63		"	~~—~~	0	"	
8	"		"	"	1		30.09	68	64	63		ocm	cumb	0	"	
9	"		"	"	1		30.09	68	64	63		"	"	0	"	
10	"		"	"	1		30.09	68	64	63		bcm	"	6	"	
11	"		"	"	1		30.09	68	64	63		"	"	2	"	
Mid.	"		"	"	1		30.09	68	64	63		ocm	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, November 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast foggy and misty. Light breeze from S.S.E. Barometer falling. Aneroid at end of watch 30.00.

P.R.C. Smith Lieut

4 to 8 A.M. Cloudy. Pleasant. Light breeze from S.S.E. Received on Pay Department 118 lbs of fresh beef, 118 lbs of vegetables and 88 loaves of bread. Aneroid 30.01.

W. Armitage-Keeney W.R. Lieut-

8 A.M. to Meridian. Overcast cloudy and misty, sun shining through the mist at intervals. Light airs from S.S.E. Barometer steady. Aneroid 30.02 at end of watch. At 9.30 mustered and inspected crew at quarters; absent without leave Henry Kines 'OS' and Ah Sour 'Lds' At 8.50 Flagship made general signal 1087.

H.O. Dunn Ensign

Meridian to 4 P.M. Weather overcast foggy and misty. Light airs from S by E. Barometer falling. Frederick Sawtell deserted boat and remained on shore. Aneroid 30.03.

P.R.C. Smith Lieut

4 to 8 P.M. Overcast with fog until last hour when it cleared to light mist. Light airs from S.S.E. Barometer rising slowly. Aneroid 30.03 at end of watch.

H.O. Dunn Ensign

8 P.M. to Midnight. Weather overcast and pleasant. Light breeze from S.S.E. Barometer steady. Aneroid at end of watch 30.04.

P.R.C. Smith Lieut

Moon's mid. Examined and found to be correct.
Dec 3° 24' 47" N
Phase Last quarter

W.F.F. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E.	S.S.E	1		30.04	66	63	62		ocf		0	S	
2	"		"	"	1		30.04	66	62	61		"		0	"	
3	"		"	"	1		30.02	66	63	62		"		0	"	
4	"		"	"	1		30.01	66	63	62		bo	cir cumu	1	"	
5	"		"	"	1		30.00	66	63	62		bcmu	nimbus	1	"	
6	"		"	"	1		30.03	66	63	62		"	"	1	"	
7	"		"	"	1		30.03	66	63	62		"	"	3	"	
8	"		"	"	1		30.06	66	63	62		of	—	0	"	
9	"		"	"	1		30.08	67	63	62		bcmu	nimb	1	"	
10	"		"	"	1		30.08	67	64	62		"	"	1	"	
11	"		"	"	1		30.08	67	65	63		"	"	1	"	
Noon.	"		S	"	1		30.08	67	65	63		"	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	335	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2195	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	117 "	186	"

P. M.																
1	"		SSE	SSE	1		30.03	68	65	63		ocmu	nimbus	0	"	
2	"		"	"	1		30.01	68	65	63		"	"	0	"	
3	"		"	"	1		30.01	68	65	63		bc	cir cumu & nimbus	6	"	
4	"		"	"	1		30.01	68	65	63		"	"	6	"	
5	"		"	"	1		30.00	69	66	63		"	cir cumu	8	"	
6	"		"	"	1		30.00	69	65	63		"	"	8	"	
7	"		"	"	1		30.00	69	65	63		"	"	8	"	
8	"		"	"	1		30.03	68	65	63		"	"	8	"	
9	"		"	"	1		30.04	68	65	63		"	"	8	"	
10	"		"	"	1		30.04	68	65	63		ocmu	"	0	"	
11	"		"	"	1		30.06	68	65	63		"	"	0	"	
Mid.	"		"	"	1		30.06	68	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. November 5th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, cloudy and misty. Light airs from S.S.E. Aneroid barometer at the close 30.00. W.H. Smith Master

4 to 8 A.M. Cloudy and misty with intervals of thick fog. Light airs from S.S.E. Barometer rising. Aneroid 30.02 at end of watch. Received on board in Paymaster's Department 109 lbs of fresh beef and 79 loaves of bread for issue to crew. At 7.30 Flagship made general signal 3350. F.O. Dunn Ensign.

8 A.M. to Meridian. Weather overcast and misty. Light airs from S.S.E. Barometer steady. Called all hands to muster at 9.30 and read act for the Better Government of the Navy. Robert E. Henry (OS 2 cl.) deserted 10.30 boat, and remained on shore. Aneroid at end of watch 30.01. C.F. Lee, Lieut.

Meridian to 4 P.M. Pleasant weather. Light airs from S.S.E. Barometer falling. Aneroid barometer at the close 29.96. W.H. Smith Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S.S.E. At 5.45 the Flagship made signal 2985. Aneroid 29.98. C.F. Lee Lieut.

8 P.M. to Midnight. Overcast and cloudy, misty latter part. Light airs from S.S.E. Aneroid barometer at the close 30.00. W.H. Smith Master

Moon 1 mid
Dec 00° 42' 19" S.
Phase Lastquarter

Examined and found to be correct.

W.T. Barker
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE	1		30.00	67	64	63		ocm	nimbus	0	S	
2	"		"	"	1		29.98	66	65	62		"	"	0	"	
3	"		"	"	1		29.96	66	64	62		"	"	0	"	
4	"		"	"	1		29.96	66	64	62		"	"	0	"	
5	"		"	"	1		29.96	66	64	62		"	"	0	"	
6	"		NW×W.	Calm	0		29.98	63	62	59		"	"	0	"	
7	"		N	"	0		30.01	63	62	59		"	"	0	"	
8	"		NE.	"	0		30.02	63	62	59		"	"	0	"	
9	"		"	"	0		30.02	63	62	59		"	cir cum	0	"	
10	"		S.	S	1		30.03	65	62	59		"	"	0	"	
11	"		"	"	1		30.03	65	64	60		"	"	0	"	
Noon.	"		"	"	1		30.04	65	65	62		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water received during the preceding 24 hours — 750 "

Water remaining on hand fit for use at Noon — 2610 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 116 " 2096 "

P. M.																
1	"		SSE	SSE	1		30.02	67	65	63		bcm	cir cum	2	"	
2	"		"	"	2		30.00	67	66	63		"	"	4	"	
3	"		"	"	2		29.99	67	65	63		"	"	3	"	
4	"		"	"	2		29.98	67	65	63		"	"	1	"	
5	"		"	"	2		29.98	67	65	63		"	"	1	"	
6	"		"	"	2		29.98	67	65	63		"	"	1	"	
7	"		"	"	2		30.00	67	64	62		"	"	1	"	
8	"		"	"	1		30.01	67	64	62		"	"	2	"	
9	"		"	"	2		30.02	67	64	62		"	"	2	"	
10	"		"	"	2		30.03	66	64	62		"	"	1	"	
11	"		"	"	2		30.03	65	64	62		"	"	1	"	
Mid.	"		"	"	2		30.03	65	64	62		00	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. November 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, Foggy, Light airs from S.S.E. Aneroid 29.96.

W Swinburne Lieut

4 to 8 A.M. Weather overcast and misty. Calm. Barometer rising At 7.30 the Flagship made signal No. 3356. Aneroid 29.98.

Lieut

8 A.M. to Meridian. Overcast cloudy and hazy. Calm first part, light airs from S.E. latter part. Went to quarters at 9.15 and mustered the crew, Fred.K Law (Sea) absent without leave, John J. McCann (Sds) Thomas Smith (Painter) Asst Bunan (Stocks) and Ab Serv (Sds.) overtime Overhauled both bower chains and paid them below. Received on board 750 gallons of fresh water. Fred.K Meyer (Carp) was discharged from the ship and the Naval Service at his own request. Aneroid barometer at the close 29.97. By order of Commanding Officer placed John O'Connell (Sea) in double irons for safe keeping.

W M Swinburne Master

Meridian to 4 P.M. Weather overcast and pleasant with light breeze from S.S.E. At 12.15 a Chilian gunboat came in and anchored. Got up and overhauled chain cables. Hoisted sailing launch and secured her for sea. Comdg Officer left ship officially. Flagship made signal 2984. Answered. Aneroid barometer at close 29.92.

Wainwright Lieut

4 to 8 P.M. Pleasant weather, light airs from S.S.E. Went to quarters at 4.45 and mustered the crew the same ones absent as at morning quarters. At 6.30 the police authorities on shore brought off Thomas Smith, (Painter 2d Cl.) for whom a reward of $10.00 was paid, being drunk and disorderly on board he was placed in double irons for safe keeping. Aneroid barometer at the close 2996.

W M Swinburne Master

8 P.M. to Midnight. Cloudy. Pleasant, light breeze from S.S.E. Aneroid 30.00.

Wainwright Lieut

Moon's mid Dec 4° 47' 17" S Phase, Last quarter

Examined and found to be correct.

W. T. Rogers Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.S.E	1		30.00	66	64	62		oc	Cumuli	0	8	
2	"		"	"	1		29.98	66	64	62		"	"	0	"	
3	"		"	Calm	0		29.96	66	64	62		oc m	"	0	"	
4	"		"	"	0		29.96	66	64	62		"	"	0	"	
5	"		S.	"	0		29.96	65	65	63		"	"	0	"	
6	"		S.S.E	"	0		29.98	64	64	62		"	"	0	"	
7	"		"	"	0		30.03	64	64	62		"	"	0	"	
8	"		W.S.W.	"	0		30.05	64	64	62		"	"	0	"	
9	"		W.	"	0		30.05	65	64	62		"	"	0	"	
10	"		W "	"	0		30.05	65	64	62		"	"	0	"	
11	"		W.N.W.	"	0		30.05	65	64	62		"	"	0	"	
Noon.	"		"	"	0		30.05	65	64	62		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2275 "

Coal consumed during the preceding 24 hours tons 700 lbs.

Coal remaining on hand at Noon 116 " 1396 "

P. M.															
1	"		W.	W.	1		30.03	68	65	63		oc m	Circum	0	"
2	"		"	S.W.	1		30.01	68	65	63		"	"	0	"
3	"		S.S.W.	S.S.W.	1		30.00	68	65	63		"	"	0	"
4	"		"	"	1		30.00	68	66	64		"	"	0	"
5	"		S.S.E.	S.S.E.	1		30.01	69	66	64		"	"	0	"
6	"		"	"	1		30.02	69	65	63		"	"	0	"
7	"		"	"	1		30.03	69	65	63		"	"	0	"
8	"		"	"	1		30.05	68	65	63		"	"	0	"
9	"		"	"	1		30.05	68	65	63		"	"	0	"
10	"		"	"	1		30.05	68	65	63		"	"	0	"
11	"		"	"	1		30.05	68	65	63		"	"	0	"
Mid.	"		W.N.W	Calm	0		30.05	68	64	63		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday November 7th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S.S.E. and calms. Barometer falling slowly. Aneroid 29.98 at end of watch.

H. O. Dunn Ensign

4 to 8 A.M. Overcast cloudy and misty. Light airs from S.S.E. and calms. Barometer rising. Received on board in Paymasters Department 110 lbs fresh beef and 85 lbs of bread. At 7.30 "Flagship Pensacola" made general signal 0350. Aneroid barometer at the close 30.00.

W. M. Dunn
Masters.

8 A.M. to Meridian, Cloudy. Pleasant. Calm. Breaking out and cleaning hold. By order of Commanding Officer the following named men were given the following punishments, viz: Thomas Smith Painters 1st four days solitary confinement on bread and water for returning from liberty drunk and disorderly. John O'Connell "Sea" four days solitary confinement on bread and water for returning from liberty drunk and disorderly and Robert E. Henry (O.S 2cl) for leaving boat ashore without permission to be disrated to 4th Class but. Sent an offer of a reward of ten dollars ashore for the apprehension and delivering on board of each of the following men, absent without leave, viz: R. E. Marett (O.S 2cl) Louis F. Schumann (C.A.) John Lee. Ldg Walter Grahame. (O.S) Thos. J. Haynes. (Finisher) and Oscar Walker. (Pvt Marines.) Jas. H. Berry. (1cl Boy) was sent to the "Iroquois" to appear before General Court martial. Aneroid 29.98.

Wainwright-Kellogg Lieut

Meridian to 4 P.M. Overcast cloudy and misty. Light shifting airs from W. to S.S.W. Barometer falling slowly. Aneroid 29.96 at end of watch. Restowed fore hold.

H. O. Dunn Ensign.

4 to 8 P.M. Cloudy. Pleasant At 4.45 mustered at quarters. Aneroid 29.98. Oscar Walker (Pvt M) was returned on board by the police authorities from shore.

Wainwright-Kellogg
1st Lieut

8 P.M. to Midnight, Overcast cloudy and misty. Light airs from S.S.E. and calm. Barometer steady. Aneroid at end of watch 29.98.

H. O. Dunn Ensign

Moon's mid Examined and found to be correct.
Dec 8 4h 55m S.
Phase. Last quarter

W. H. Clarke
Lieutenant & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNW.	NNW.	1		30.05	65	66	64		ocmcs	cumuli	0	S.	
2	"		"	NW.	0-1		30.05	65	66	64		"	"	0	"	
3	"		NNW.	"	0-1		30.03	65	66	64		"	"	0	"	
4	"		"	SE.	0-1		30.03	65	65	64		"	"	0	"	
5	"		"	Calm	0		30.03	65	65	63		"	"	0	"	
6	"		"	"	0		30.05	65	65	63		"	"	0	"	
7	"		"	"	0		30.07	65	64	62		"	"	0	"	
8	"		SSE.	SSE.	1		30.10	65	64	62		ocm	cicumc	0	"	
9	"		"	"	1		30.10	66	66	63		bc	"	6	"	
10	"		SSW.	S.	1		30.10	67	66	63		"	"	5	"	
11	"		"	SSW.	1		30.10	67	66	63		"	"	3	"	
Noon.	"		SSE	S	1		30.10	67	67	63		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1940 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 116 " 1096 "

P. M.																
1	"		S.	S.	1		30.08	67	66	63		bc	cir cumu	2	"	
2	"		SSE.	SSE	1		30.06	67	66	63		ocm	"	0	"	
3	"		"	"	1		30.05	67	66	63		"	"	0	"	
4	"		"	"	1		30.05	67	66	63		"	"	0	"	
5	"		"	"	1		30.05	67	66	63		"	"	0	"	
6	"		"	"	1		30.06	68	65	63		"	"	0	"	
7	"		"	"	1		30.07	68	65	62		"	"	0	"	
8	"		SxE	SxE	1		30.07	68	65	63		"	"	0	"	
9	"		S.	"	1		30.07	68	66	63		"	cir cumu Zonumb	0	"	
10	"		SSE	SSE.	1		30.10	68	66	63		"	"	0	"	
11	"		"	"	1		30.10	67	66	63		"	"	0	"	
Mid.	"		"	SxE	1		30.10	67	66	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, November 8th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast misty and wet. Light airs from N.W. to W.N.W. Barometer falling. Clouds cirrus and nimbus. Aneroid barometer 29.98.

Karl Rohrer Lieut

4 to 8 A.M. Cloudy. Pleasant. Light variable airs and calms. Aneroid 30.02.

Wainwright Kellogg
WKK Lieut

8 A.M. to Meridian. Cloudy but pleasant weather. Light airs from S.S.E. South and S.S.W. Barometer steady. Aneroid 30.02 at noon. At 9.30 beat to general quarters and all divisions were reported ready in 3m 15s. Exercised at general quarters until 9.45 when secured. Time of seizing 6m. Absent without leave. Aug. Burman (Steerk.) E. E. McCann (Sds) Fred. Law (Sea) R. C. Marett (Sea) L. F. Schuman (Cox.) John Su. (Sds) and Thos. J. Wynne (Finisher) At 10.20 Flagship made general signal 1087.

F. O. Dunn Ensign

Meridian to 4 P.M. Pleasant weather. Light airs from S.E. to S.S.E. At 3.30 Flagship made signal. No 2984. Answd. The French Flagship "Montcalm" came into harbor and anchored off our starboard beam, and as she came in paraded our marine guard, presented arms and gave two ruffles with the drum. The Italian corvette "Carracciola" fired a salute of 13 guns with French flag at the fore.

Karl Rohrer Lieut

4 to 8 P.M. Overcast cloudy and misty. Light airs from S.S.E. Barometer rising slowly. Aneroid 30.01 at end of watch. At 4.08 the French flagship "Montcalm" fired a salute of 13 guns with Italian flag at the fore. At 4.23 the Chilian flagship "Blanco Encalada" fired a salute of 13 guns with the French flag at the fore, which salute was returned by the "Montcalm" gun for gun. At 5.00 the "Montcalm" fired a salute of 13 guns with the English flag at the fore which salute was returned by the English flagship "Swiftsure" gun for gun. Shipped for special service for the Chinese Ah Key as landsman. Discharged this day Antonio Biambra. (Stge Cook.) from this ship and from the naval service at his own request, waiving all rights of transportation and consular aid.

F. O. Dunn. Ensign.

8 P.M. to Midnight. Weather overcast clouds and hazy. Heavy dew. Barometer steady. Clouds cirro-cumulus and nimbus. Light breeze from S by E to S.S.E. Aneroid barometer 30.05

Karl Rohrer Lieut

Moon's mid Examined and found to be correct.
Dec 12° 23' 10" S.
Phase Last quarter

W. H. Parker
Lieutenant & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSW.	S.	1		30.09	65	65	63		ocm	Cir cum mimb	0	S	
2	"		"	"	1		30.06	65	65	63		"	"	0	"	
3	"		"	"	1		30.05	65	65	63		bcm	"	2	"	
4	"		S	"	1		30.04	65	65	63		ocm	"	0	"	
5	"		"	"	1		30.03	65	65	63		bc	Cir cum & Cum	2	"	
6	"		SSE.	SSE.	1		30.05	65	65	63		ocm	"	0	"	
7	"		"	"	1		30.07	65	65	63		"	"	0	"	
8	"		"	"	1		30.09	65	65	63		"	"	0	"	
9	"		"	"	1		30.10	66	66	63		oc	"	0	"	
10	"		"	"	1		30.11	67	66	63		"	"	0	"	
11	"		"	"	1		30.11	67	66	63		"	"	0	"	
Noon.	"		"	"	1		30.11	67	66	63		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 335 gallons.

Water received during the preceding 24 hours — 1300 "

Water remaining on hand fit for use at Noon — 2905 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 116 " 796 "

P. M.																
1	"		SSE	S	1		30.08	68	66	63		oc	cir cum	0	"	
2	"		"	SSE	1		30.06	69	67	64		"	"	0	"	
3	"		"	"	1		30.04	69	67	63		"	"	0	"	
4	"		"	"	1		30.02	69	67	63		bc	"	2	"	
5	"		"	"	1		30.01	69	67	63		"	"	3	"	
6	"		"	"	1		30.01	69	67	63		"	"	3	"	
7	"		"	"	1		30.03	69	67	63		"	"	3	"	
8	"		"	"	1		30.04	67	67	63		"	"	6	"	
9	"		"	"	1		30.07	67	65	63		"	"	6	"	
10	"		"	"	1		30.08	67	65	63		"	"	6	"	
11	"		"	"	1		30.08	66	64	62		"	"	5	"	
Mid.	"		"	"	1		30.08	66	64	62		bcm	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, November 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and pleasant. Sight airs from S.E. Barometer falling. Aneroid 30.06.

P. Rees Lieut.

4 to 8 A.M. Overcast cloudy and misty. Sight airs from South and S.S.E. Barometer rising slowly. Aneroid 30.04 at end of watch. At 7.30 flagship made general signal 3350.

T. O. Dunn Ensign

8 A.M. to Meridian. Weather overcast and cloudy but pleasant. Barometer steady. Clouds cirro-cumulus and cumulus. Light breeze from S.S.E. Received 1300 gallons of fresh water from watersboat. At 9.45 flagship made signal No 3318. Answd. Dominick's Orjice. (W.R.C.) was this day discharged at his own request. At 9.30 mustered and inspected crew at quarters; the following named men being absent from ship without leave. Aug Bumau. (S.C.) John J. McCann. (Sds.) Fred. Laws. (Sea) A. C. Mantt. (OS2C) Louis F. Schuman, (CAG.) John Lee. (Sds.) and Thomas J. Wynne. (Finisher.) Aneroid barometer 30.03.

Karl Rhner Lieut.

Meridian to 4 P.M. Weather overcast and pleasant. Light airs from S.S.E. Barometer falling. The following named men (absent without leave) returned to the ship. Aug. Bumau, (Cook) J. J. McCann. (Sds.) A. C. Mantt, (OS2C.) and Louis F. Schuman. (CAG.) Aneroid 29.98.

P. Rees Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer rising. Clouds cirro-cumulus. Light breeze from S.S.E. At 5.45 flagship made signal No 3985. Answd. Get up clothes lines at sunset. The police brought Thos. J. Wynne, (Finisher.) and John Lee, (Sds) on board and received the reward of $10.00 / ten dollars each which had been offered for their apprehension and delivery on board. Aneroid barometer 30.00.

Karl Rhner Lieut

8 P.M. to Midnight, Clear during early part of watch, growing misty and overcast latter part. Barometer steady. Light airs from S.; Aneroid 30.01.

P. Rees Lieut

Moonsmid Dec. 15° 33' 01" S
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieutenant Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Callao, Peru. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Auckland			S S E.	S S E	3		30.05	66	63	62		oc	Cumulus mingles	0	8	
2	"		"	"	3		30.03	66	63	62		"	"	0	"	
3	"		"	"	2		30.04	66	63	62		"	"	0	"	
4	"		"	"	2		30.04	66	63	62		"	"	0	"	
5	"		"	"	2		30.04	66	63	62		"	"	0	"	
6	"		"	"	1		30.06	66	63	62		"	"	0	"	
7	"		"	"	1		30.08	66	63	62		"	"	0	"	
8	"		"	"	1		30.10	66	63	62		"	"	0	"	
9	"		"	"	1		30.10	66	61	63		"	"	0	"	
10	"		"	"	1		30.10	66	66	63		bc	"	3	"	
11	"		"	"	1		30.12	68	66	63		"	"	4	"	
Noon.	"		"	"	1		30.11	68	68	63		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 335 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 25~70 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 116 " 496 "

P. M.															
1	"		S	S.	2		30.10	69	66	64		bc	circum	4	0	
2	"		"	"	2		30.08	69	66	64		"	"	5	"	
3	"		"	"	2		30.06	69	66	64		"	"	4	"	
4	"		"	"	2		30.06	69	66	64		"	"	3	"	
5	"		"	S S E	2		30.06	69	66	64		"	Cirrus 3 alt	3	"	
6	"		S. S. E.	"	2		30.06	69	65	63		"	"	2	"	
7	"		"	"	2		30.06	69	65	63		"	"	2	"	
8	"		"	"	2		30.07	69	65	63		"	"	2	"	
9	"		"	"	2		30.10	69	65	63		"	"	2	"	
10	"		"	"	2		30.09	69	64	62		oc	"	0	"	
11	"		"	"	2		30.09	68	64	62		"	"	0	"	
Mid.	"		"	"	2		30.10	68	64	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday November 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Light airs from S.S.E. Aneroid barometer at the close 30.00.

W M Smn
Master

4 to 8 A.M. Weather pleasant, Light airs from S.S.E. Barometer rising. At 7.30 flagship made signal No. 335 d. Answd. At 7.40 flagship made signal (prep) 1st No 6 1 4 4. Answd & and at 7.45 she made signal No 6 1 4 4, Answd and dipped topgallant yards at 7.50. Unbent light sails. Aneroid barometer 30.08.

Hart Hobson, USN Lieut

8 A.M. to Meridian. Overcast and pleasant at beginning of watch. afterwards clearing. Light airs from S.S.E. Barometer rising. Mustered at quarters at 9.30 and exercised 1st div. at small arms. 2d div. and 3d div. at cutlass drills and powder division at passing powder. The following named men absent without leave, Ab Sou, (Ds) Fred Law. (Sea) and Wm Spillman. (Os)
Rear Admiral Balch visited the French flagship at 10.30. The Comdg Officer of this ship visited the same officially at 11.00. During the forenoon the English Admiral and the French Consul also paid official visits the latter being saluted with seven guns. Aneroid 30.05.

D Ryan USN Lieut

Meridian to 4 P.M. Cloudy and pleasant with fresh breeze from S. At 12.35 the French flagship "Montcalm" fired a salute of 15 guns with French flag at the fore. At 1.20 flagship made signal 1087, at 2.05 made signal 1087 and at 3.30 signal 29.84. At 3.55 Chilian Corvette entered harbor and anchored. French Comdg Officer of "Montcalm" made an official visit at 1.45 PM. Aneroid at end of watch 29.98.

H C Taussig USN C. Midn.

4 to 8 P.M. Cloudy and pleasant. Gentle breeze from S.S.E. Barometer rising. Aneroid at end of watch 29.99.

D Ryan USN Lieut

8 PM to Midnight. Overcast and cloudy. Light airs from S.S.E. Aneroid barometer at the close 30.04.

W M Smn
Master

Mean Lunid Examined and found to be correct.
Dec 18° 03' 52" S.
Phase, New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord	SSE		SSE.	1		30.08	66	64	62		oc	Cir Cum Bonnis	0	S.	
2	"		"	"	1		30.06	66	64	62		"	"	0	"	
3	"		"	"	1		30.04	66	64	62		"	"	0	"	
4	"		"	"	1		30.04	66	64	62		"	"	0	"	
5	"		"	"	1		30.04	66	64	62		"	"	0	"	
6	"		"	"	1		30.06	66	64	62		"	"	0	"	
7	"		"	"	1		30.08	66	65	63		"	"	0	"	
8	"		"	"	1		30.10	68	65	63		bc	"	9	"	
9	"		"	"	1		30.10	68	65	63		"	"	1	"	
10	"		"	"	1		30.10	68	65	63		"	"	4	"	
11	"		S	S	2		30.10	68	65	63		"	"	4	"	
Noon.	"		"	"	2		30.10	68	65	63		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 335 gallons.

Water received during the preceding 24 hours — 600 "

Water remaining on hand fit for use at Noon — 2735 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 116 " 196 "

P. M.															
1	"		S.	S.	2		30.10	69	66	63		bc	Cir cum	4	"	
2	"		"	S x E.	2		30.08	70	66	63		"	"	6	"	
3	"		"	"	2		30.06	70	66	63		"	Cir cu Str	6	"	
4	"		"	"	2		30.06	70	66	63		"	"	5	"	
5	"		SSE	SSE.	1		30.06	71	67	64		"	"	4	"	
6	"		"	"	1		30.06	71	66	64		"	"	2	"	
7	"		"	"	1		30.06	70	66	64		"	Cu minb	2	"	
8	"		"	"	1		30.06	69	65	63		"	"	2	"	
9	"		"	"	1		30.06	69	65	63		"	"	2	"	
10	"		"	"	1		30.06	69	65	63		oc	"	0	"	
11	"		"	"	1		30.06	69	65	63		"	"	0	"	
Mid.	"		"	"	1		30.06	69	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, November 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Damp. Light breeze from S.S.E. Aneroid 30.00.

Wainwright-Kellogg
QK Sinit

4 to 8 A.M. Overcast and pleasant. Barometer rising. Light airs from S.S.E. Received on board for use of ship's company 108 lbs meat, 108 lbs vegetables and 86 loaves of bread. Received 600 gallons fresh water. Aneroid at end of watch 30.04.

QK Sinit

8 A.M. to Meridian. Cloudy and pleasant. Light breeze from S. and E. Went to quarters at 9.30 and mustered the crew. By order of Comdg Officer released Thomas Smith (Pauter 2d Cl) from confinement. Hoisted out sailing launch. Aneroid barometer at the close 30.04.

W.M. Sumner Master

Meridian to 4 P.M. Weather cloudy and pleasant. Fresh breeze from S. Sent liberty party ashore at 1 P.M. Received from "Onward" articles that had been stowed there. Aneroid at end of watch 29.98.

Wainwright-Kellogg
QK Sinit

4 to 8 P.M. Cloudy and pleasant. Light airs from S.S.E. Went to quarters at 4.45 and mustered the crew. Aneroid bar. 29.99.

W.M. Sumner Master

8 P.M. to Midnight. Cloudy. Pleasant. Light airs from S.S.E. Aneroid 30.00.

Wainwright-Kellogg
QK Sinit

Moon's mid Examined and found to be correct.
Dec. 19° 45' 06" S.
Phase; New moon.

W. T. Parker
Senior Asst Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.	S.	2		30.05	69	65	63		oc	ci cum	0	S.	
2	"		"	"	1		30.03	68	65	63		"	"	0	"	
3	"		"	"	1		30.01	68	65	63		"	"	0	"	
4	"		S × W.	S × W.	1		30.00	68	65	63		"	"	0	"	
5	"		S S E.	Calm	0		30.00	67	65	63		"	Ci cu numb	0	"	
6	"		"	"	0		30.02	65	65	63		"	"	0	"	
7	"		N W.	S W.	0-1		30.04	65	65	63		"	"	0	"	
8	"		"	"	0-1		30.06	65	64	62		"	"	0	"	
9	"		S S E.	S S E.	1		30.08	66	64	62		"	"	0	"	
10	"		N N W.	Calm	0		30.06	66	64	62		bo	"	1	"	
11	"		"	N N W.	1		30.06	66	64	62		"	"	1	"	
Noon.	"		"	"	1		30.06	66	64	62		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 335 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 24400 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 115 " 2136 "

P. M.																
1	"		N N W	N N W.	1		30.07	69	66	64		bc	ci cum	8	"	
2	"		"	"	1		30.06	69	67	64		"	"	6	"	
3	"		N N W.	S W.	1		30.04	70	68	65		"	"	6	"	
4	"		"	S S W.	2		30.03	70	68	65		"	"	6	"	
5	"		"	"	2		30.04	69	67	64		"	"	7	"	
6	"		S S E.	S.	1		30.05	68	66	63		"	ci cum & cir	5	"	
7	"		"	S S E.	1		30.07	68	66	63		oc	cum mist	0	"	
8	"		"	"	1		30.08	68	66	63		"	"	0	"	
9	"		"	"	1		30.07	69	66	63		"	"	0	"	
10	"		"	"	1		30.07	69	66	63		"	"	0	"	
11	"		"	"	1		30.07	68	66	63		"	"	0	"	
Mid.	"		"	"	1		30.07	68	65	63		ocm	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, November 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy weather. Light airs from S and S.W. Barometer falling. Aneroid 29.98 at end of watch.
R. O. Dunn Ensign

4 to 8 A.M. Overcast and cloudy. Calm first part, light airs from S.W. latter part. At 6.30 "Pensacola" made general signal 33 50. Aneroid bar 30.02
W. W. Gunn Master

8 A.M. to Meridian. Cloudy. Warm. Light breze from N.N.W. At 9.30 went to quarters, Commanding Officer inspected ship and crew. Aneroid 30.00.
Wainwright Kellogg Lieut

Meridian to 4 P.M. Clear pleasant weather. Light airs from N.N.W and S.W. Barometer falling. Aneroid 29.97 at end of watch. Sent a visiting party to the "Pensacola" and "Iroquois." A visiting party from the "Iroquois" came on board.
R. O. Dunn Ensign.

4 to 8 P.M. Cloudy Warm, Light breze from S., Aneroid 30.00.
Wainwright Kellogg Lieut

8 P.M. to Midnight. Overcast and cloudy with heavy mist last hour. Light airs from S.S.E. Barometer steady. Aneroid 30.00 at midnight.
R. O. Dunn. Ensign

Moon 1 mid
Dec 20° 27' 48" S.
Phase, New moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	S × W.		S × W.	1			30.08	65	65	63		oc	Cirrus	0	8	
2	"		"	1			30.06	65	65	63		"	"	0	"	
3	"		S S E	S S E.	0-1		30.01	65	65	63		"	"	0	"	
4	"		"	"	0-1		30.01	65	65	63		"	"	0	"	
5	"		"	"	1		30.01	66	65	63		"	Nimb	0	"	
6	"		"	"	1		30.00	66	65	63		bc	Cirrus	1	"	
7	"		"	Calm	0		30.06	66	65	63		"	"	1	"	
8	"		"	"	0		30.07	66	65	63		"	"	1	"	
9	"		W. N W.	W N W.	1		30.08	68	65	63		"	"	2	"	
10	"		W.	W S W	1		30.07	68	66	63		"	"	8	"	
11	"		W N W.	W N W.	1		30.07	68	66	64		"	"	8	"	
Noon.	"		N N W.	N N W.	1		30.06	68	67	64		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2065 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 125 " 1836 "

P. M.																
1	"		N W	N W	1		30.01	69	67	64		bc	Cirrus	8	"	
2	"		W.	"	1		30.01	69	67	64		"	"	8	"	
3	"		S S W.	S	1		30.00	70	67	64		"	"	8	"	
4	"		S.	S × W.	1		30.00	70	67	64		"	"	8	"	
5	"		S E × S	S E × S	1		30.02	70	67	64		"	"	6	"	
6	"		"	"	1		30.01	70	67	64		"	"	5	"	
7	"		"	S S E	2		30.06	70	67	64		oc	Cirrus Cumulus	0	"	
8	"		"	S E	3		30.08	70	66	64		"	"	0	"	
9	"		S S E	S E × S.	2		30.08	69	66	63		"	"	0	"	
10	"		"	"	2		30.06	69	66	63		"	"	0	"	
11	"		"	"	2		30.06	69	66	63		"	"	0	"	
Mid.	"		"	"	2		30.01	69	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, November 13th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light airs from S.W. to S.S.E. Barometer falling. Cirro-cumulus clouds. Aneroid barometer 29.96.

Harry Hubbard Lieut

4 to 8 A.M. Cloudy. Pleasant. Light variable airs and calms. Received on board 10 tons of coal. Aneroid 30.00. Warrington-Keeney

Lieut

8 A.M. to Meridian. Clear, pleasant weather with light airs from W.N.W and W.S.W. Barometer steady. Aneroid 29.98 at noon. At 9.45 the Chilian flagship "Blanco Encalada" fired a salute of 13 guns with the English flag at the fore. At 9.56 the English flagship "Swiftsure" answered the salute gun for gun with the Chilian flag at the fore. Engaged in cleaning ship. Received on board in Equipment Department from the Storeship "Onward" the following stores, viz. 1 coil 12 thread Hemp. 1 coil 21 thread Ratling stuff. 1 Coil Houseline. 1 coil 9 thread Seizing stuff and one side bellows leather. in Construction Department. 4 Sash tools. 100 lbs White lead, 150 lbs. of Zinc. 40 lbs of Red lead. 1 lb Prussian blue. 1 lb Vermilion. 1 gall. Japan dryer. 10 galls. Boiled linseed oil. 5 lbs 6d Iron nails. 16 lbs 8d Iron nails. 50 sheets Sand paper and 5 lbs Spelter solder.

H.O. Dunn. Ensign

Meridian to 4 P.M. Clear and pleasant weather. Light breeze from W.N.W. and S.W. Barometer falling. Cirro-cumulus clouds. Received on board five bbls S. pork, thirty two gallons (32) of Molasses and four (4) Kegs of pickles: all in Dept of Provisions and Clothing. By order of Comdg Officer confined Peter Devany. (Ds) in solitary confinement on bread and water for five days for using abusive language to Master at Arms. At 3.30 flagship made Signal No. 2984. Answd. Aneroid barometer 29.94

Harry Hubbard Lieut

4 to 8 P.M. Clear and pleasant first part, overcast and cloudy last part of watch. Light airs to gentle breeze from S.E. by S. and S.S.E. Barometer rising. Aneroid 29.98 at end of watch. At sunset the French Admiral R.B. de Corbigny hauled down his flag on the "Montcalm" and was saluted with 13 guns by all the flagships in the harbor.

H.O. Dunn. Ensign

8 P.M. to Midnight. Weather pleasant. Light breeze from S.E. by S. Barometer steady. Clouds cirro-cumulus and cumulus. Aneroid barometer 29.98.

Harry Hubbard Lieut

Moon's mid. Examined and found to be correct.
Dec. 20° 14' 27" S.
Phase, New moon.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.04	69	65	63		oc	Cir cum Cumulus	0	8	
2	"		"	"	1		30.03	69	65	63		"	"	0		
3	"		"	"	1		30.02	69	65	63		"	"	0		
4	"		"	"	1		30.00	69	65	63		"	"	0		
5	"		"	"	1		30.02	69	65	63		ocm	"	0		
6	"		SSW.	Calm	0		30.04	68	65	63		"	"	0		
7	"		"	"	0		30.06	67	65	63		"	"	0		
8	"		"	"	0		30.09	67	65	63		"	"	0		
9	"		WSW.	WSW	0-1		30.10	68	66	63		"	Cir cum Cumulus	0		
10	"		"	"	0-1		30.10	68	66	63		"	"	0		
11	"		"	"	0-1		30.10	69	67	64		bcm	"	1		
Noon.	"		W.	W.	0-1		30.10	69	67	64		"	"	1		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 410 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1755 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 125 " 1536 "

P. M.																
1	"		W.SW	WNW	1		30.10	69	69	64		bc	Cir cum	8	"	
2	"		"	W.	1		30.10	70	69	64		"	"	8	"	
3	"		SSW	SSE	1		30.08	70	69	64		"	"	8	"	
4	"		"	SSW	1		30.08	71	69	64		"	"	9	"	
5	"		"	"	1		30.06	73	69	64		"	"	9	"	
6	"		SSE.	SSE	1		30.05	72	69	64		"	Cum	9	"	
7	"		"	"	1		30.05	70	69	64		"	"	9	"	
8	"		"	"	1		30.05	70	69	64		b	—	10	"	
9	"		"	"	0-1		30.07	70	68	64		"	—	10	"	
10	"		"	"	0-1		30.09	70	67	64		"	—	10	"	
11	"		"	Calm	0		30.10	69	67	64		"	—	10	"	
Mid.	"		"	"	0		30.10	69	65	62		"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, November 14th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and pleasant. Light airs from S.S.E. Barometer falling. Aneroid 29.99.

E. K. Rees Lieut

4 to 8 A.M. Overcast cloudy and misty with calms and light airs from S.S.E. Barometer rising. Aneroid 30.00 at end of watch. Received on board in Pay Dept - 108 lbs of fresh beef 108 lbs vegetables and 85 loaves of bread. At 7.30 flagship made general signal 3350. At 7.35 general signal (pup) 6070 and at 7.45 general signal 6070. Crossed royal yards. At 8 the new French Admiral hoisted his flag on board the "Montcalm" and all the flagships in port saluted it with 13 guns.

F. O. Smith Ensign

8 A.M. to Meridian. Weather pleasant. Barometer steady. Clouds cirro-cumulus and cumulus. Light breeze from W.S.W. At 9.30 mustered and inspected crew at quarters, and exercised 1st and 3d divisions at small arms and 2d division at single sticks. At 8 the Italian corvette "Caracciola" fired a salute of 13 guns, French flag at the fore, then the Chilian flagship one of 13 guns, French flag at the fore; the French flagship then fired a salute of 13 guns Italian flag at fore, then one of 13 guns Chilian flag at fore, then one of 13 guns with the United States flag at the fore which was answered by "Pensacola" gun for gun, then one of 13 guns with English flag at fore, which was answered by "Swiftsure" gun for gun. A medical board of survey composed of Drs Baldwin, Arthur and Hibbett came on board and surveyed certain men.

Hal McAllister Lieut

Meridian to 4 P.M. Weather cloudy and warm, light breeze from N.N.W and S.S.E. Hoisted in steam cutter at 4 P.M. Aneroid at end of watch 29.96.

E. K. Rees Lieut

4 to 8 P.M. Clear and pleasant weather. Light breeze from S.S.E to S.S.W. Barometer steady, Cirro-cumulus clouds. At 5.45 flagship made signal preparatory No 6068. Answd. and at 5.50 she made signal No 6068. Answd and sent down royal and topgallant yards. At 6.8 flagship made signal No 2985, Answd and hoisted up clothes lines at sunset. Aneroid barometer 30.01.

Hal McAllister Lieut

8 P.M. to Midnight. Clear and pleasant. Bright starlight. Calm. Barometer rising. Aneroid at end of watch 30.00.

E. K. Rees Lieut

Moon's mid
Dec 18° 46' 30" S.
Phase New moon

Examined and found to be correct.

W. S. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E by E.	Calm	0		30.05	67	65	62		b	—	10	S	
2	"		"	"	0		30.01	66	65	62		"	—	10	"	
3	"		NE.	E by E.	1		30.01	66	64	61		"	—	10	"	
4	"		E by E.	"	1		30.01	65	64	61		"	—	10	"	
5	"		"	"	1		30.01	65	64	61		"	—	10	"	
6	"		NE by N	NE by N	1		30.03	65	64	61		bc	Ci cu Nimb	3	"	
7	"		SE	SE.	1		30.04	65	64	61		"	"	3	"	
8	"		"	"	1		30.06	65	64	61		"	"	3	"	
9	"		"	Calm	0		30.08	66	65	62		"	Ci cum	1	"	
10	"		S.	S.	1		30.10	68	67	63		"	"	1	"	
11	"		"	"	1		30.10	68	67	63		"	"	2	"	
Noon.	"		"	"	1		30.10	69	68	64		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 410 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1345 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 125 " 1236 "

P. M.																
1	"		S	S	1		30.06	70	69	64		bc	Ci cum	5	"	
2	"		"	"	1		30.05	70	69	64		"	"	4	"	
3	"		"	"	1		30.05	70	69	64		"	"	4	"	
4	"		"	"	1		30.05	70	69	64		"	"	4	"	
5	"		"	"	1		30.04	72	68	63		"	"	5	"	
6	"		SSE	SSE.	1		30.04	70	67	63		"	"	6	"	
7	"		"	ESE	1		30.04	70	66	63		"	"	7	"	
8	"		"	"	1		30.05	69	65	62		"	"	9	"	
9	"		S.	S	2		30.08	68	65	62		"	"	3	"	
10	"		"	"	3		30.08	67	65	62		oc	Ci cum Nimb	0	"	
11	"		"	"	3		30.07	67	65	62		"	"	0	"	
Mid.	"		"	"	3		30.05	67	65	62		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, November 15th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Bright starlight. Calm first part, light airs from E. & E. latter part, Aneroid barometer at the close 29.98

W. M. Smith Master

4 to 8 A.M. Weather pleasant, Light breze from N.E. by N. to S.E. Barometer rising Clouds cirro-cumulus and nimbus. At 7.30 flagship made signal No. 3380. Ans. At 7.40 flagship made signal, preparatory. No. 6069. ans. and at 7.45 made signal No. 6069. Ans'd, and sent up topgallant and royal yards. The "Iroquois" made signal for permission to send down topgall'nt and royal yards and then for permission to send them up again. Aneroid barometer 30.02. Received on board for crew 107 lbs fresh beef, 107 lbs vegetables and 85 loaves of bread.

Hart Hubbell Lieut

8 A.M. to Meridian. Weather cloudy and pleasant, Light variable airs and calms Barometer rising. Mustered at quarters at 9.30. Enlisted for cruise of vessel Andrew Gurdje (Sea.) and for special service for cruise Ah Shang 1ds and Ah Chong. (Sds) At 10.50 the French flagship fired a salute of 13 guns with English flag at the fore, at 10.56 the English flagship answered, gun for gun. At 11. the French flagship fired a salute of 11 guns with the Chilian flag at the fore, at 11.05 the Chilian flagship answered with 13 guns. At 11.30 the Dutch flagship fired a salute of 11 guns with the Italian flag at the fore, At 11.38 the Italian flagship answered gun for gun. Aneroid bar. at end of watch 29.99.

E. B. Barker Lieut

Meridian to 4 P.M. Clear and pleasant, At 12.00 Rear Admiral E. B. Balch. visited the French flagship and was saluted with 13 guns. which was returned by the Pensacola gun for gun with French flag at the fore. At 1.00 the "Montcalm" fired a salute of 15 guns with French flag at the fore and at 2.30 7 guns with same flag up. At 1.00 the Comdg Officer left the ship officially to visit the "Montcalm". "Pensacola" made signal 1087 at 3.20. sent a boat in answer, she then made 2984 and 4881. Got up hammocks six times. Rec'd 100 galls. of oil in Nav. Dept and 300 lbs Coffee in Pay. Dept, Aneroid at close of watch 29.96.

W. M. Smith Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S.E. Mustered at quarters at 4.45. Received in Construction Dept the following articles viz 8 paint brushes. 3 varnish brushes. 100 lbs Black paint, 1 lb Chrome yellow. 10 galls raw oil, 15 galls Turpentine, 2½ galls. Demar varnish. 2 lbs finishing nails 2 lbs Copper tacks 20 ft Ash plank. 2 inch 1½ pr brass Rowlocks and in Pay. Dept 1500 lbs Sugar and 100 galls. beans. At 5.35 the flagship made signal for ships 68 and at 5.50 the vessels of the squadron sent down topgal't and royal yards. Aneroid barometer at the close 29.99.

E. B. Barker Lieut

8 P.M. to Midnight. Overcast and cloudy. Light breze from E.S.E. Barometer steady. Aneroid barometer 30.00

W. M. Smith Master

Moon's mid DEC 16. 09h 16m 8. Phase. New moon.

Examined and found to be correct.

W. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S×E.	S×S	2		30.02	66	64	62		ra	Cum Nimb	0	S	
2	"		"	"	2		30.00	66	64	62		ocdm	"	0	"	
3	"		"	"	1		30.00	66	64	62		"	"	0	"	
4	"		"	"	1		30.00	66	64	62		"	"	0	"	
5	"		SE.	"	1		30.00	66	64	62		ocm	"	0	"	
6	"		ESE	ESE	1		30.03	66	63	61		"	"	0	"	
7	"		ENE	ENE.	1		30.05	66	63	62		"	"	0	"	
8	"		"	"	1		30.06	66	64	62		"	"	0	"	
9	"		SE	SE.	1		30.06	66	64	62		bc	"	1	"	
10	"		"	"	1		30.06	66	64	62		"	"	1	"	
11	"		"	"	1		30.06	69	66	62		"	"	3	"	
Noon.	"		"	"	1		30.06	69	66	62		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 6 1/5 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 700 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 129 " 936 "

P. M.															
1	"		S×W.	S.	1		30.06	69	67	63		bo	ci cum	3	"
2	"		"	"	1		30.06	70	69	64		"	"	4	"
3	"		"	SSE	2		30.05	71	69	64		"	"	4	"
4	"		"	"	2		30.05	72	69	64		"	"	4	"
5	"		SSE	"	1		30.04	72	68	63		"	"	3	"
6	"		"	"	1		30.05	71	66	63		"	ci cum str	3	"
7	"		"	"	1		30.07	70	66	62		"	"	3	"
8	"		"	"	2		30.08	69	66	62		"	ci	9	"
9	"		"	"	1		30.08	69	66	62		"	"	8	"
10	"		"	"	1		30.07	69	66	62		"	"	8	"
11	"		"	"	1		30.07	69	66	62		"	"	8	"
Mid.	"		"	"	1		30.07	69	66	62		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, November 16th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Light variable airs. Aneroid 29.95 Wainwright Kellogg Wm Lieut

4 to 8 A.M. Overcast and pleasant, light airs from S. and E. At 7.35 the flagship made preparatory signal. At 7.50 made signal for exercise when the ships of the squadron crossed light yards. Aneroid at end of watch 30.00. A Key Lieut

8 A.M. to Meridian. Cloudy and warm. Light breeze from S.E. Went to quarters at 9.30 and inspected the crew. Exercised the signal class. Enlisted for the cruise of this ship, special service as landsman Ah Kau. Received on board in Steam Engineering Department 300 gallons Olive oil. Received from USS "Onward" Charles Dickson, Sands' Received in Equipment Department 3 galls. Demar varnish and 100 lbs black paint. Aneroid barometer at the close 29.99. W H Emmons Master

Meridian to 4 P.M. Clear, Warm. Light breeze from S.S.E. At 1.40 flagship made signal 3918. at 3.40. 1087. Sent mainsail. Rove off new boats falls. Aneroid 30.00. Wainwright Kellogg Wm Lieut

4 to 8 P.M. Clear and pleasant, light breeze from S.S.E. Went to quarters at 4.45 and turned in clean hammocks. At 4.25 the "Montcalm" fired a salute of 9 guns with the British flag at the fore. the "Swiftsure" answering gun for gun with the French flag at the fore. At 5.45 "Pensacola" made signal (prep) 60 68. ans. Sent down topgallant and royal yards at 5.56, "Pensacola" made general signal 2985. Got up clothes lines. Aneroid bar. at the close 30.03. W H Emmons Master

8 P.M. to Midnight. Cloudy. Pleasant, light airs from S.S.E. Obscured moonlight. Aneroid 30.00. Wainwright Kellogg Wm Lieut

Moon Mid
Dec. 12° 45' 00" S.
Phase First quarter

Examined and found to be correct.

W. H. Barker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.	Calm	0		30.05	66	65	62		bcu	cir cum	8	S	
2	"		"	"	0		30.03	65	65	62		"	"	8	"	
3	"		NE	E by E	1		30.02	65	63	60		"	"	8	"	
4	"		"	"	1		30.01	64	62	59		"	"	7	"	
5	"		E by E	"	0+1		30.02	65	62	59		"	cir cum Strat	3	"	
6	"		"	Calm	0		30.05	65	62	59		"	"	3	"	
7	"		"	"	0		30.07	66	64	61		"	cir cum	5	"	
8	"		SE.	SE	1		30.09	66	65	62		"	"	6	"	
9	"		SSE.	"	1		30.09	66	65	62		b	—	10	"	
10	"		"	SSE	1		30.09	68	68	64		"	—	10	"	
11	"		"	"	1		30.09	68	68	64		"	—	10	"	
Noon.	"		S	"	1		30.09	68	69	65		"	—	10	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water received during the preceding 24 hours 750 "

Water remaining on hand fit for use at Noon 805 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 124 " 2076 "

P. M.															
1	"		S.	S	2		30.05	70	69	65		b	—	10	"	
2	"		"	"	2		30.05	71	69	65		bc	cir cum	9	"	
3	"		"	"	2		30.05	72	69	65		"	"	8	"	
4	"		"	"	2		30.05	72	69	65		"	"	8	"	
5	"		"	"	2		30.06	71	68	65		"	"	6	"	
6	"		"	S by E	2		30.06	70	67	64		"	cir cum strat	11	"	
7	"		"	"	2		30.07	70	66	64		"	"	3	"	
8	"		"	"	2		30.09	70	66	64		"	"	6	"	
9	"		SSE	SSE	1		30.08	70	67	64		"	"	8	"	
10	"		"	"	1		30.08	70	67	64		"	"	8	"	
11	"		ESE	SE	1		30.08	70	66	63		"	"	8	"	
Mid.	"		SE	SSE	1		30.08	68	66	63		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, November 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear pleasant weather with light mist. Calms and light airs from E. & S. Barometer falling. Aneroid 29.95 at end of watch.

H. O. Dunn Ensign

4 to 8 A.M. Clear and pleasant, light airs from E. by E and calm. Barometer rising. Sent royals, topgallant sails, flying jib and fore topmast stay sail. At 7.30 "Pensacola" made signal 3350. At 7.45 signal "general" 6.44 Crossed topgallant yards. Aneroid barometer 30.02.

W. W. Smith Master

8 A.M to Meridian. Clear and warm, light to moderate breeze from S.S.E. At quadrant mainsail and started fires for distilling. Received an official visit from French Admiral. Received on board 750 gallons of fresh water. Aneroid 30.00.

W. Winslow Keeney Jr. Lieut

OK

Meridian to 4 P.M. Weather warm and pleasant, light breeze from S. Sent liberty party ashore at 1.00. Commenced distilling at 12. At 1.25 English flagship fired a salute of 17 guns with Chilian flag at fore in honor of Admiral Lynch. Chilian Navy. At 1.35 flagship made signal 10.87. At 1.53 U.S. Flagship "Pensacola" fired a salute of 17 guns with Chilian flag at fore. At 3.25 Italian "Paracola" fired salute of 17 guns with Chilian flag at fore At 3.30 flagships made signal 2984. Aneroid at end of watch 29.90.

H. O. Dunn Ensign.

4 to 8 P.M. Clear and warm. Light breeze from S.S.E. Aneroid 30.00. Flagship made signal 10.87. Distilling.

W. Winslow Keeney Lieut

8 P.M to Midnight. Clear pleasant weather, cloudy last hour. Light airs from S.S.E, and S.E. Barometer steady. Aneroid 30.00 at Midnight. Distilling water for ships use. At 11.55 stopped distilling

H. O. Dunn Ensign

Moon's mid. Examined and found to be correct.

Dec. 8° 35' 31" S

Phase. First quarter

W. H. Parker

Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. SA

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE	SE.	1		30.05	68	66	63		bc	Cir cum	3	S.	
2	"		"	"	1		30.04	68	66	63		"	"	1	"	
3	"		"	"	1		30.05	68	66	62		oc	"	0	"	
4	"		"	"	1		30.05	68	66	62		"	"	0	"	
5	"		ESE	ESE.	1		30.05	68	66	62		"	"	0	"	
6	"		"	"	1		30.07	68	66	62		"	"	0	"	
7	"		"	"	1		30.09	68	66	62		"	"	0	"	
8	"		"	"	1		30.11	68	66	62		"	"	0	"	
9	"		SSE	SSE.	1		30.11	68	66	63		"	Cir cum	0	"	
10	"		"	"	1		30.11	69	67	64		"	"	0	"	
11	"		"	"	1		30.11	70	67	64		"	"	0	"	
Noon.	"		"	"	1		30.10	70	68	64		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water distilled during the preceding 24 hours 1500 "

Water remaining on hand fit for use at Noon 1970 "

Coal consumed during the preceding 24 hours 2 tons 420 lbs.

Coal remaining on hand at Noon 122 " 1656 "

P. M.																
1	"		SSE.	SSE	1		30.10	71	69	64		bc	Cir cum	8	"	
2	"		"	"	1		30.10	71	71	65		"	"	8	"	
3	"		S x E.	SE	1		30.08	72	71	65		"	"	8	"	
4	"		"	"	1		30.05	72	70	65		"	"	8	"	
5	"		"	"	2		30.05	72	70	65		"	"	8	"	
6	"		"	"	2		30.05	72	70	65		"	"	7	"	
7	"		"	"	1		30.05	70	66	63		"	"	4	"	
8	"		"	"	1		30.06	70	66	63		"	"	1	"	
9	"		"	S x E.	1		30.08	71	67	64		oo	Cir cum	0	"	
10	"		"	"	1		30.09	71	67	64		"	"	0	"	
11	"		"	"	1		30.09	70	67	64		"	"	0	"	
Mid.	"		"	"	1		30.09	70	67	64		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, November 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light breeze from S.E. Barometer steady. Fires banked. Aneroid barometer 30.00.

Karl Rohwer USR Lieut

4 to 8 A.M. Cloudy. Pleasant. Light variable airs and calms. Aneroid 30.04

Wannemacher Kentucky Lieut

8 A.M to Meridian. Overcast and cloudy but pleasant, light airs from S.S.E. Barometer steady. Aneroid 30.00 at end of watch. At 9.30 mustered and inspected at quarters. Released Peter Debany 'Eds' from confinement. By order of Condg Officer placed John O'Connell 'Sea' in solitary confinement on bread and water for four days for being drunk and noisy, also awarded three days extra duty to Chas Sloyd (O.S. 2C) W.P. Danks (O.S 2C) and Hans Karlsen 'Eds' for not coming aft when word was passed by officer of deck, Engineers force engaged in trying the engines At 11.10 hauled fires, and lowered smokestack.

H.O. Dunn. Ensign.

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from S.S.E and S.E. Barometer falling. Cirro-cumulus clouds. Aneroid barometer 29.95

Karl Rohwer USR Lieut

4 to 8 P.M. Clear first part, cloudy latter part of watch. Light breeze and airs from S.E. Barometer steddy. Aneroid 30.00 at end of watch. At 6.06 the flagship made general signal 1087.

H.O. Dunn. Ensign

8 P.M to Midnight. Weather pleasant but cloudy. Light breeze from S by E. Barometer steady. Clouds cirro-cumulus and nimbus. Aneroid barometer 30.00.

Karl Rohwer Lieut

Moon's mid Dec 3° 54' 19"
Phase, Full moon

Examined and found to be correct.

W. H. Parsten
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E.	S.S.E.	1		30.04	69	67	64		oc	Ci cum nimb	0	S.	
2	"		E.S.E.	"	1		30.04	69	66	65		"	"	0	"	
3	"		S.S.E.	"	1		30.04	68	67	63		"	"	0	"	
4	"		"	"	1		30.04	68	67	63		"	"	0	"	
5	"		"	"	1		30.02	68	67	63		oc m	"	0	"	
6	"		"	"	1		30.02	68	67	63		"	"	0	"	
7	"		"	"	1		30.02	68	67	63		"	"	0	"	
8	"		"	"	1		30.04	68	67	63		"	"	0	"	
9	"		"	"	1		30.06	68	67	63		oc	Ci cum	0	"	
10	"		S.E.	S.E.	0-1		30.08	69	68	64		"	"	0	"	
11	"		"	"	1		30.10	69	68	64		bc	"	4	"	
Noon.	"		"	"	1		30.09	70	69	66		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1635 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 122 " 1356 "

P. M.																
1	"		S x W.	S x W.	1		30.07	71	70	66		bc	Ci cum Strat cum	5	"	
2	"		"	"	1		30.07	71	70	66		"	"	4	"	
3	"		"	"	1		30.05	72	70	66		"	Ci cum	4	"	
4	"		"	"	1		30.05	72	70	66		"	"	4	"	
5	"		"	"	1		30.05	72	70	66		"	"	4	"	
6	"		"	"	1		30.04	72	68	64		"	"	4	"	
7	"		S x E	S x E	1		30.04	70	68	64		"	"	4	"	
8	"		S.S.E	"	1		30.06	70	67	64		"	"	4	"	
9	"		"	"	1		30.08	70	67	64		"	"	4	"	
10	"		"	"	2		30.09	70	67	64		"	"	4	"	
11	"		"	"	2		30.09	70	67	64		"	"	1	"	
Mid.	"		"	"	1		30.09	70	67	64		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. November 19th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and pleasant, light airs from S.S.E. Barometer steady. Aneroid 30.02.

A.P.R. Smith

4 to 8 A.M. Overcast cloudy and misty. Light airs from S.S.E. Barometer steady. Aneroid 30.02 at end of watch. Received on board in Pay Dept's 110 lbs. fresh beef 110 lbs. fresh vegetables and 87 loaves of bread for issue to crew. At 7.30 flagship made general signal 3350.

H.O. Sumner Ensign

8 A.M. to Meridian. Weather pleasant, light breeze from S.E. to S.S.E. Barometer rising. Clouds cirro-cumulus. At 9.38 went to quarters and the Commanding Officer inspected ship and crew. The flagship made the following signals by telegraph code Nos 4391. 945. 3637. 9422. 9. 20. 1 12. 9. 1. 14. 4095. 945. 6313. Aneroid. Aneroid barometer 30.00. John McMullin (2d Fire) came off drunk, and was placed in double irons for safe keeping by order of Commanding Officer

Karl Rohrer R.M. Smith

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from S. Sent visiting parties to "Pensacola" and "Iroquois" At 12.55 the French flagship fired a salute of 13 guns with the Chilian flag at the fore. The "Blanco Encalada" left the harbor and fired several projectiles from her heavy guns as she went out. Barometer nearly steady. Aneroid 29.96.

C.P.R. Smith

4 to 8 P.M. Weather clear and pleasant, light breeze from S.W. to S. by E. Barometer steady. Cirro-cumulus clouds. Aneroid barometer 29.96

Karl Rohrer R.M. Smith

8 P.M. to Midnight. Weather partly cloudy and pleasant, light airs from S. by E. Barometer rising. Aneroid 29.97.

A.P.R. Smith

Moon's sine Examined and found to be correct.

Dec. 1° 3' 46" N.

Phase, Full moon.

W. N. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	Calm	0		30.06	68	66	64		bc	cir cum	3	8	
2	"		"	"	0		30.05	68	66	64		"	"	2	"	
3	"		"	"	0		30.04	68	65	63		"	"	2	"	
4	"		"	"	0		30.03	67	65	63		"	cu nimb	1	"	
5	"		"	"	0		30.04	65	64	61		"	"	3	"	
6	"		N N W.	"	0		30.04	65	64	61		"	"	1	"	
7	"		"	"	0		30.04	65	64	61		"	"	1	"	
8	"		"	"	0		30.04	65	64	61		"	"	1	"	
9	"		"	N N W.	1		30.10	67	64	62		"	"	3	"	
10	"		N W.	N W.	1		30.11	68	64	62		"	"	2	"	
11	"		W N W.	W. N W.	1		30.10	69	66	63		"	cir cum	3	"	
Noon.	"		W S W.	S S W.	1		30.10	69	68	64		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water received during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 122 " 1056 "

P. M.															
1	"		S S W.	S × W	2		30.08	69	68	64		bc	cum	6	"
2	"		"	"	2		30.07	69	68	64		"	"	4	"
3	"		"	"	2		30.06	69	68	64		"	"	3	"
4	"		"	"	2		30.05	70	69	65		"	"	3	"
5	"		S S E	S E.	2		30.07	70	66	64		"	cir cum & cum	1	"
6	"		"	"	2		30.08	70	66	64		"	"	2	"
7	"		"	"	1		30.09	70	66	64		"	"	1	"
8	"		"	"	1		30.10	70	66	64		"	cir cum	1	"
9	"		"	S S E.	2		30.12	70	66	64		"	cir cum & strat	1	"
10	"		"	"	2		30.13	70	65	63		"	"	1	"
11	"		"	S E	2		30.11	68	65	63		"	"	1	"
Mid.	"		"	"	2		30.11	66	65	63		"	"	1	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

GENERAL COURT-MARTIAL
ORDER No. 3.

Pacific Station.
U. S. F. S. Pensacola, (2d Rate.)
Callao, Peru, Nov. 16th, 1882.

Before a General Court-Martial which convened on board the U. S. S. Iroquois, (3d Rate), off Callao, Peru, on Wednesday, the twenty-fifth day of October, 1882, and of which Lieutenant Commander Thomas M. Gardner, U. S. N. was President, was arraigned and tried.

1.. Patrick Sheehan, Captain of Top, U. S. Navy.

CHARGE I—Treating with contempt his Superior Officer, and being disrespectful to him in language and deportment while in the execution of the duties of his office.

CHARGE II—Disobeying the lawful orders of his Superior Officer while in the execution of the duties of his office.

CHARGE III—Mutinous Conduct.

FINDING.

Of Charge I. Guilty.
Of Charge II. Guilty.
Of Charge III. Guilty in a less degree than charged. Guilty of resisting arrest.

SENTENCE.

The Court thereupon sentenced the said Patrick Sheehan, Captain of Top, U. S. Navy, to the following punishment, viz: To be disrated to landsman, to be confined in double irons, on such vessel as the Rear-Admiral Commanding the U. S. Naval Force, Pacific Station may designate, for a period of six months, with four hours exercise on deck twice a week, and then to be dishonorably discharged from the Naval Service of the United States; to lose all pay that is now due him, amounting to one hundred and fifty-eight dollars, and fifty-nine cents, ($158.59) and all that may become due him, during such confinement, amounting to ninety-three dollars, ($93.00) excepting the sum of two dollars ($2.00) per month for necessary expenses, and a further sum of twenty-five dollars, ($25.00) to be paid him upon his discharge; total loss of pay amounting to two hududred and fourteen dollars and fifty-nine cents, ($214.59).

ENDORSEMENT.

The proceedings, findings and sentence of the General-Court Martial in the case of Patrick Sheehan, Captain of Top, U. S. Navy, are approved.

The term of confinement is hereby mitigated to four months, with loss of all pay now due him, amounting to one hundred and fifty eight dollars and fifty nine cents, ($158.59) and that may become due him during that period, amounting to sixty two dollars, ($62.00) with the exception of two dollars per month to be paid him for necessary expenses, and twenty five dollars, to be paid him at the time of his discharge; total loss of pay amounting to one h ndred and eighty seven dollars and fifty nine cents,(187.59).

The sentence as mitigated will be duly executed on board the U. S. S. Essex.

5..James H. Berry, First Class Boy, U. S. Navy.

CHARGE. Desertion.

FINDING.

Of the Charge. Guilty by plea.

SENTENCE.

The Court thereupon sentenced the accused James H. Berry, First Class Boy, U. S. Navy, to the following punishment, viz; to be confined in double irons for three months, on board such vessel as the Rear-Admiral Commanding U. S. Naval Force, Pacific Station, may direct; to be allowed four hours exercise on deck twice a week, and then to be dishonorably discharged from the Naval Service of the United States.

ENDORSEMENT.

The proceedings, findings and sentence of the General Court Martial in the foregoing case of James H. Berry, First Class Boy, are hereby approved.

The term of confinement is hereby mitigated to two months.

The sentence as mitigated will be duly executed on board the U. S. Store-ship Onward.

6..Edward Forde, Landsman, U. S. Navy.

CHARGE. Desertion.

FINDING.

Of the Charge. Guilty by plea.

SENTENCE.

The Court thereupon sentenced the said Edward Forde, Landsman, U. S. Navy, to the following punishment, viz: To be confined in double irons for three months, on board such vessel as the Rear Admiral Commanding U S. Naval Force, Pacific Station, may direct; to be allowed four hours exercise on deck twice a week and then to be dishonorably discharged from the Naval Service of the United States.

ENDORSEMENT.

The proceedings, findings and sentence of the General Court Martial in the case of Edward Forde, Landsman, U. S. Navy, are approved.

The term of confinement is hereby mitigated to two months.

The sentence as mitigated will be duly executed on board the U. S. Store-ship Onward.

GEORGE B. BALCH,

Rear-Admiral,

Comd'g U. S. Naval Force, Pacific Station.

der A. H. Mc Cormick , U. S. Navy,
nday, November 20th , 1882.

SCELLANEOUS EVENTS OF THE DAY.

loudy and calm. Barometer falling slowly.
29.98. W.W. Swinn
Master

lm. Barometer steady, Cumulus & nimbus
al No. 3350. Ans. At 8 dressed ship.
Hand Colors Lieut

leasant, Light variable airs and calms. Barmuster at 9.30 and read findings and sentence
ended copy. Patrick Sheehan Sds was placed
the sentence as mitigated and approved by
US Naval Force, Pacific Station. The remaining
mpson, Sds Edw^d Forde, Sds and J H. Berry
board this ship until they can be duly
The Signal Class exercised at making sig-
Gustav Nagle. 'O26' is given three days
w word was passed by Officer of Deck.
sh water, A salute of 21 guns was fired
Am ensign 3.00.
P Rea Lieut

ent John Thompson Sds Edward Forde
ge. hammocks and necessary papers to
accordance with sentence of Genl Court
signal 1087. Weather cloudy and pleasant
ith barometer at the close 29.98.
W.W. Swinn Master

& pleasant, Light airs from S & E. At
ed a salute of 21 guns. and was followed
g ships in the harbor.
P Rea Lieut

d cool. Light breeze from S & E. Barometer
e close 30.06.
W.W. Swinn
Master

W. H. Parker
Lieut & Navigator.

SENTENCE.

The Court thereupon sentenced the said Michael Sullivan, Seaman, U. S. Navy, to the following punishment, viz; to be disrated to landsman, to be confined in double irons for four months, on board such vessel as the Rear-Admiral, Commanding U. S. Naval Force, Pacific Station, may direct; to be allowed four hours exercise on deck twice a week, and then to be dishonorably discharged from the Naval Service of the United States, to lose all pay that is now due him, amounting to twenty-eight dollars and eighty eight cents, ($28.88) and all that may become due him during his confinement, amounting to sixty-two dollars, ($62.00) except two dollars ($2.00) per month for necessary expenses, and a further sum of twenty-five dollars ($25. 00) to be paid him at his discharge, total loss of pay amounting to fifty seven dollars and eighty eight cents, ($57.88.).

ENDORSEMENT.

The proceedings, findings and sentence of the General Court Martial in the case of Michael Sullivan, Seaman, U. S. Navy, are approved.

The term of confinement is hereby mitigated to two months, with loss of all pay now due him, amounting to twenty-eight dollars and eighty eight cents ($28.88) and all that may become due him during his term of confinement, amounting to thirty-one dollars ($31.00) with the exception of two dollars, ($2.00) per month to be paid him for necessary expenses, and twenty-five dollars, ($25.00) to be paid him at the time of his discharge; total loss of pay amounting to thirty dollars and eighty-eight cents. ($30.88).

The sentence as mitigated will be duly executed on board the U. S. S. Iroquois.

4. A. M. Hopkins, Sergeant. U. S. Marine Corps.

CHARGE I. Absence without leave.

CHARGE II. Disobedience of orders.

FINDING.

Of Charge I. Guilty.
Of Charge II. Not Guilty.

SENTENCE.

The Court thereupon sentenced the accused A. M. Hopkins, Sergeant, U. S. Marine Corps, to be deprived of liberty on shore for the period of six months, and to be deprived of monthly money during that time.

ENDORSEMENT.

The proceedings, findings and sentence of the General Court Martial in the case of A. M. Hopkins, Sergeant, U. S. Marine Corps are hereby approved.

2. John Thompson, Seaman, U. S. Navy.

CHARGE 1—Treating with contempt his Superior Officer and being disrespectful to him in language and deportment while in the execution of the duties of his office.

FINDING.

Of the Charge Guilty.

SENTENCE.

The Court thereupon sentenced the accused John Thompson, Seaman, U. S. Navy, to be disrated to landsman, to be confined in double irons for four months, on board such vessel as the Rear-Admiral, Commanding the U. S. Naval Force, Pacific Station, may direct; to be allowed four hours exercise on deck twice a week, and then to be dishonorably discharged from the Naval Service of the United States, to lose all pay that is now due him, amounting to eighty-nine dollars and twenty cents, ($89.20) and all that may become due him during his confinement, amounting to sixty-two dollars, ($62.00) except two dollars ($2.00) per month for necessary expenses, and twenty-five dollars ($25. 00) to be paid him upon his discharge; total loss of pay amounting to one hundred and eighteen dollars and twenty cents, ($118.20).

ENDORSEMENT.

The proceedings, findings and sentence of the General-Court Martial in the case of John Thompson, Seaman, U. S. Navy, are approved.

The term of confinement is hereby mitigated to three months, with loss of all pay now due him, amounting to eighty-nine dollars and twenty cents, ($89.20) and that may become due him during his term of confinement, amounting to forty-six dollars and fifty cents, ($46.50) with the exception of two dollars, ($2.00) per month to be paid him for necessary expenses, and twenty-five dollars, ($25.00) to be paid him at the time of his discharge; total loss of pay amounting to one hundred and four dollars and seventy cents, ($104.70).

The sentence as mitigated will be duly executed on board the U. S. Store-ship Onward.

3. Michael Sullivan, Seaman, U. S. Navy.

CHARGE I. Treating with comtempt his Superior Officer and being disrespectful to him in language and deportment while in the execution of the duties of his office.

CHARGE II. Insubordinate Conduct.

FINDING.

Of Charge I. Guilty by plea.
Of Charge II. Guilty by plea.

LOG of the United States

P. M.												
1	"	88½	8×½	2	30.08	69						
2	"	"	"	2	30.07	69						
3	"	"	"	2	30.06	69						
4	"	"	"	2	30.05	70						
5	"	88	88.	2	30.07	70						
6	"	"	"	2	30.08	70						
7	"	"	"	1	30.09	70						
8	"	"	"	1	30.10	70						
9	"	"	88.	2	30.12	70						
10	"	"	"	2	30.13	70						
11	"	"	88	2	30.11	68						
Mid.	"	"	"	2	30.11	66						

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

Current during the time knots ms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours

Water remained during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Noon.	"	9½9½	88½	1	30.10	69	68
11	"	9½9½	9½9½	1	30.10	69	66
10	"	9½	9½	1	30.11	68	64
9	"	"	9½9½	1	30.10	67	64
8	"	"	"	0	30.11	68	64
7	"	"	"	0	30.11	68	64
6	"	9½9½	"	0	30.11	68	64
5	"	"	"	0	30.11	68	64
4	"	"	"	0	30.03	67	68
3	"	"	"	0	30.11	68	68
2	"	"	"	0	30.05	68	66
A. M.		Clear	Calm	0	30.06	68	66

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ⊙

Longitude by Chronometer from Forenoon Observations ⊙

Current during the time knots ms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPE. Air Dry Bulb.	TEMPE.

under the command of Commander A. C. McCormick, U. S. Navy,

Monday, November 20th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and calm. Barometer falling slowly. Aneroid barometer at the close. 29.98.

W. W. Swinn
Master

4 to 8 A.M. Weather pleasant. Calm. Barometer steady. Cumulus & nimbus clouds. At 7.30 flagship made signal No. 3350. Ans. At 8 dressed ship.

Harold Collins Lieut

8 A.M. to Meridian. Cloudy and pleasant, light variable airs and calms. Barometer rising. Called all hands to muster at 9.30 and read findings and sentence of General Court Martial as in appended copy. Patrick Sheehan Sds' was placed in double irons in pursuance of the sentence as mitigated and approved by Rear Admiral Geo B Balch, Comdg US Naval Force, Pacific Station. The remaining prisoners of this ship, viz: John Thompson, Sds' Edw^d Forde, Sds' and J H. Berry, 1 CB. are temporarily confined onboard this ship until they can be duly transferred to the U.S.S "Onward". The Signal Class exercised at making signals. By order of Comdg Officer. Gustav Nagle. OS 26. is given three days extra duty for not coming aft when word was passed by Officer of Deck. Received on board 700 gallons of fresh water. A salute of 21 guns was fired at noon from each of the flagships. Aneroid 30.00.

Thos Lieut

Meridian to 4 P.M. At 1 PM. sent John Thompson Sds' Edward Forde Sds' and Jas H. Berry. 1 CB. with bags, hammocks and necessary papers to U.S.S "Onward" in single irons in accordance with sentence of Genl Court-Martial. At 1^20 flagship made signal 1087. Weather cloudy and pleasant light breeze from S by W. Aneroid barometer at the close 29.98.

W. W. Swinn Masters

4 to 8 PM. Weather cloudy and pleasant. Light airs from S & E. At sunset the Italian flagship fired a salute of 21 guns. and was followed gun for gun by each of the flagships in the harbor.

Thos Lieut

8 PM to Midnight. Cloudy and cool. Light breeze from S & E. Barometer rising. Aneroid barometer at the close 30.06.

W. W. Swinn
Master

Moon l mid
Dec 6° 01' 59" N
Phase. Full moon.

Examined and found to be correct.

W. H. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Balla Bay, Peru, S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
At Anchored			SE	SE	2		30.08	68	66	64		bcm	cir cum	1	S	
2	"		"	"	2		30.06	68	66	64		"	"	1	"	
3	"		"	"	1		30.05	68	66	64		"	"	2	"	
4	"		"	"	1		30.04	68	66	64		"	"	1	"	
5	"		"	"	0-1		30.06	68	66	64		ocm	cu. nimb	0	"	
6	"		"	"	0-1		30.08	68	66	64		"	"	0	"	
7	"		"	"	0-1		30.10	68	66	64		bc	cir cum	5	"	
8	"		SW.	SW.	1		30.11	68	66	64		"	"	5	"	
9	"		"	"	1		30.11	68	66	64		"	"	9	"	
10	"		"	"	1		30.11	68	66	64		"	"	9	"	
11	"		"	"	1		30.11	68	66	64		"	"	9	"	
Noon.	"		"	"	1		30.11	72	70	65		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1650 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 122 " 756 "

P. M.																
1	"		SSW	SSW	2		30.10	71	71	66		bc	cir cum	9	"	
2	"		S	S.	2		30.08	72	71	66		"	"	9	"	
3	"		"	"	1		30.08	72	71	66		"	"	9	"	
4	"		SSE.	SSE.	2		30.06	73	70	65		"	"	6	"	
5	"		"	"	2		30.04	72	67	64		"	"	5	"	
6	"		"	"	3		30.04	70	67	64		"	"	4	"	
7	"		"	"	2		30.06	69	67	64		"	"	6	"	
8	"		"	"	2		30.07	69	67	64		"	"	6	"	
9	"		"	"	1		30.08	69	67	64		"	"	5	"	
10	"		"	"	1		30.10	69	67	64		"	"	5	"	
11	"		"	"	1		30.10	69	67	64		"	"	5	"	
Mid.	"		"	"	1		30.10	69	67	64		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, November 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Misty. Pleasant. Light breeze from S.E. Aneroid 30.00.

W. Winninghs-Kellogg
1st Lieut

4 to 8 A.M. Overcast at beginning of watch, afterwards clear and pleasant. Barometer rising. The "Pensacola" made signal No. 3350 at 7.30. Aneroid at end of watch 30.03

1st Lieut

8 A.M. to Meridian. Clear and warm. Light breeze from S.W. At 9.30 went to quarters for inspection. Exercised 1st, 2d, and 3d divs at great guns. Painted the Gig inside and out. At 9.30 Rear Admiral Balch, with his staff made a visit of inspection to the U.S.S. "Iroquois" At 10.25 H.M.S. "Swiftsure" fired a salute of 7 guns with the Italian flag at the fore, which the "Carraciola" answered gun for gun with the English flag at the fore. Aneroid barometer at the close 29.96.

P. W. Symington
Master

Meridian to 4 P.M. Clear and warm. Light to moderate breeze from S to S.S.W. Aneroid 30.00. American Minister visited the English and French Flagships and was saluted with fifteen guns, "Pensacola" returning both salutes.

W. Winninghs-Kellogg
1st Lieut

4 to 8 P.M. Pleasant weather. Bright moonlight latter part. Light breeze from S.S.E. At 4.10 the "Montcalm" fired a salute of 15 guns with the Italian flag at the fore; the "Carraciola" answered gun for gun with the French flag at the fore. At 4.40 the "Pensacola" fired a salute of 15 guns with the French flag at the fore. "Montcalm" answered gun for gun with the American flag at the fore. Went to quarters at 4.45. At 5.15 "Pensacola" made signal "general" 6143. Answd. Sent down topgallant yards. Made signal (Int) 5432. "Pensacola" answered 904. Unbent light sails and sent them below. At 5.55 "Pensacola" made signal (general) 2985. Got up port clothes lines.

P. W. Symington
Master

8 P.M. to Midnight. Hazy. Pleasant. Light breeze from S.S.E. Aneroid 30.00. Obscured moonlight.

W. Winninghs-Kellogg
1st Lieut

Moonl mid.
Dec 10° 41' 58" N.
Phase. Full moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	S S E.	1		30.07	68	66	63		bc	circum	1	S.	
2	"		"	"	1		30.06	68	66	63		oc	"	0	"	
3	"		S E.	"	1		30.06	68	67	64		"	"	0	"	
4	"		E S E.	"	1		30.06	68	67	64		"	"	0	"	
5	"		S S E.	"	1		30.10	68	67	64		"	"	0	"	
6	"		"	"	0-1		30.10	68	67	64		"	"	0	"	
7	"		"	"	0-1		30.10	68	67	64		"	"	0	"	
8	"		"	"	1		30.10	68	67	64		bc	"	2	"	
9	"		"	"	1		30.10	68	67	64		"	"	2	"	
10	"		"	"	1		30.11	69	68	65		"	"	2	"	
11	"		S + E.	S + E.	1		30.11	70	68	65		"	cir cum strat	3	"	
Noon.	"		"	"	1		30.11	72	70	66		"	cir cum	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water received during the preceding 24 hours 600 "

Water remaining on hand fit for use at Noon 1915 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 122 " 456 "

P. M.																
1	"		S.	S.	1		30.10	72	70	66		bc	ci cum	3	"	
2	"		"	"	1		30.00	72	70	66		"	"	4	"	
3	"		"	"	1		30.08	72	70	66		"	"	4	"	
4	"		"	"	1		30.05	72	70	66		"	"	7	"	
5	"		S S E	S S E.	1		30.06	71	68	64		"	"	5	"	
6	"		"	"	1		30.06	71	68	64		"	"	5	"	
7	"		"	"	1		30.08	71	67	64		"	"	2	"	
8	"		"	S E.	1		30.08	71	67	64		"	"	2	"	
9	"		S E.	"	1		30.10	70	67	64		oc	cir cum stamb	0	"	
10	"		"	"	2		30.10	70	66	64		bc m	cir cum	4	"	
11	"		"	"	2		30.10	70	66	64		"	"	2	"	
Mid.	"		"	"	2		30.10	70	66	64		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, November 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy but pleasant. Light airs from S.S.E. Barometer steady, Aneroid 30.00 at end of watch.

H. O. Dunn, Ensign

4 to 8 A.M. Cloudy and cool. Light breeze from S.S.E. Rec'd on board in Pay Dept for use of crew 105 lbs fresh beef, 105 lbs vegetables and 814 loaves of bread. At 4.30 "Pensacola" made signal 'General' 3350. and at 7.35 signal 'Prep' Co 69. at 7.50 crossed topgallant and royal yards. Aneroid barometer at the close 30.04.

W. W. Brown, Master

8 A.M. to Meridian. Cloudy. Warm. Sultry. Light breeze from S. and E. At 9.30 mustered at quarters. Exercised all divisions at great guns. Received visit from Admiral Balch and English Admirals. Received onboard 600 gallons fresh water. Aneroid 30.02. W. Cunningham Keeney, Lieut

Meridian to 4 P.M. Clear and pleasant with light breeze from South. French ram "Eclaireur" left the harbor. At 3.30 flagship made signal 29.74. Barometer falling slightly. Aneroid 29.98 at end of watch.

H. O. Dunn, Ensign

4 to 8 P.M. Cloudy. Pleasant. Light breeze from S.S.E. At 4.45 mustered at quarters. At 5 sent down topgallant and royal yards. Aneroid 30.00.

W. Cunningham Keeney, Lieut

8 P.M. to Midnight. Cloudy but pleasant, moon shining through clouds at intervals. Light breeze from S.E. Misty. Barometer steady. Aneroid 30.02 at midnight.

H. O. Dunn, Ensign

Moon's mid Examined and found to be correct.

Dec 14° 44' 12" N.

Phase. Full moon.

W. F. Parker, Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE	SE.	3		30.10	70	66	64		bc	cir cum	1	S	
2	"		"	"	3		30.10	70	66	64		"	"	1	"	
3	"		"	"	3		30.06	68	65	63		"	"	1	"	
4	"		"	"	3		30.05	68	65	63		bc m	"	1	"	
5	"		"	"	1		30.05	68	65	63		"	"	1	"	
6	"		SSE.	SSE	1		30.06	68	66	64		"	"	1	"	
7	"		"	"	1		30.08	68	66	64		bc	"	2	"	
8	"		"	"	1		30.10	68	66	64		"	"	4	"	
9	"		"	"	1		30.10	70	68	65		"	"	5	"	
10	"		"	"	1		30.10	70	69	65		"	"	6	"	
11	"		"	SW	1		30.08	70	69	65		"	"	6	"	
Noon.	"		"	"	1		30.07	70	70	67		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1615 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 122 " 186 "

P. M.															
1	"		SxW	SxW	2		30.06	72	70	66		bc	cir cum	5	"
2	"		"	"	2		30.05	72	70	66		"	"	5	"
3	"		SSE	SSE	2		30.04	72	70	66		"	"	4	"
4	"		"	"	2		30.02	72	69	65		"	cir cum g cum	2	"
5	"		"	"	2		30.00	72	69	65		"	"	2	"
6	"		"	"	2		30.00	72	69	65		"	"	3	"
7	"		"	"	2		30.00	70	65	63		"	"	4	"
8	"		"	"	2		30.02	70	65	63		"	"	4	"
9	"		SE	SE.	3		30.03	70	64	64		bc	"	0	"
10	"		"	"	3		30.04	69	66	64		"	"	0	"
11	"		"	"	3		30.04	69	66	64		"	"	0	"
Mid.	"		"	"	3		30.04	69	66	64		bc	"	2	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday November 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Gentle breeze from S.E. Falling barometer. Cirro-cumulus clouds. Aneroid barometer 29.98.

Wm Wahrenberger Lieut

4 to 8 A.M. Cloudy. Pleasant. Light airs from S.S.E. At 7.30 flagship made signal 3350. At 7.45 crossed topg'allant and royal yards. Aneroid 30.02.

Wainwright-Kellogg- Lieut

8 A.M to Meridian. Warm pleasant weather. Light airs from S.S.E and S by W. Barometer falling slightly. Aneroid 30.06 at noon. At 9.30 beat to general quarters and exercised divisions. Cast loose and everything reported ready in 2nd and 3rd Divs, Absent without leave. D. Montgomery (1 Fire.) By order of Commanding Officer awarded the following punishments, viz: W. L. Hartman, (Ord.) seven days extra duty for fighting. F. B. Barnes, (Ord.) seven days extra duty for fighting and John P. O'Neil, (Ord.) three days solitary confinement on bread and water for impudence to Paymaster.

H. O. Dunn Ensign

Meridian to 4 P.M. Weather warm and pleasant. Light breeze from S by W and S.S.E. Mail steamer left for N.Y., Aneroid at end of watch 29.94.

Ward Robinson Lieut

4 to 8 P.M. Cloudy but pleasant with light breeze from S.S.E. Barometer steady. Aneroid 29.99 at end of watch. At 4.45 mustered at quarters. At 5.45 flagship made signal (prep.) 6068. At 5.58 sent down royal and topg'allant yards. At 6.00 flagship made general signal 2985.

H. O. Dunn Ensign

8 P.M to Midnight. Pleasant weather. Gentle breeze from S.S.E. Barometer steady. Clouds cirro cumulus and cumulus. Aneroid barometer 30.00.

Ward Robinson Lieut

Moon's mid Examined and found to be correct.

Dec 17° 30' 57" N.

Phase. Full moon.

W. H. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE.	SE.	1		30.03	69	66	64		bc	ci cumu	2	S	
2	"		"	"	0-1		30.03	68	66	64		oc m	ci cumu nimb	0	"	
3	"		"	"	0-1		30.03	68	66	64		"	"	0	"	
4	"		"	Calm	0		30.03	68	66	64		"	"	0	"	
5	"		"	"	0		30.04	68	66	64		"	"	0	"	
6	"		SSE.	"	0		30.04	68	66	64		"	"	0	"	
7	"		"	"	0		30.06	68	66	64		"	"	0	"	
8	"		SW	"	0		30.08	68	66	64		"	"	0	"	
9	"		W.	WNW.	1		30.10	68	65	63		bcz	ci cumu	1	"	
10	"		WNW	Calm	0		30.12	67	65	63		"	"	1	"	
11	"		W	"	0		30.10	67	66	64		"	"	1	"	
Noon.	"		WSW.	"	0		30.10	68	67	65		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1915 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 121 " 2096 "

P. M.															
1	"		S+E.	S+E	2	30.07	69	68	66		bcz	ci cumu	1	"	
2	"		"	"	2	30.05	70	69	66		bc	"	2	"	
3	"		"	"	2	30.05	70	69	66		"	"	2	"	
4	"		"	"	2	30.04	71	69	66		"	"	3	"	
5	"		SSE	SSE.	1	30.03	70	68	65		"	"	2	"	
6	"		"	"	1	30.02	70	67	64		"	ci cumu strato	2	"	
7	"		"	"	1	30.04	70	67	64		"	"	2	"	
8	"		"	"	1	30.06	70	66	64		"	ci cumu	2	"	
9	"		"	"	1	30.10	68	66	64		"	"	2	"	
10	"		SE.	"	1	30.10	68	66	64		"	"	2	"	
11	"		SSE.	"	1	30.10	68	66	63		"	"	3	"	
Mid.	"		SE	"	1	30.09	68	66	63		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday November 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and pleasant. Light airs from S.E. Barometer steady. Aneroid at end of watch 30.00

C.H.R. Smith Lieut

4 to 8 A.M. Overcast cloudy and misty. Calm all the watch. Barometer rising. Aneroid 30.03 at end of watch. At 7.30 flagship made general signal 3350. At 7.36 flagship made general signal 6144. (prep.) At 7.50 crossed topgallant yards. David Montgomery 1st Class returned on board 24 hours overtime.

A.D. Brown Ensign

8 A.M. to Meridian. Weather pleasant but hazy. Cirro cumulus clouds. Calm. At 8.45 "Iroquois" made signal. (Interrogatory) No 4398. "Pensacola" answered No 904 At 9.30 exercised at fire quarters and afterwards had torpedo drill, firing two exercise torpedoes.

Herbert Robeson Lieut

Meridian to 4 P.M. Weather partly cloudy and pleasant. Light airs from S by E. Barometer falling. Aneroid at end of watch 29.94.

C.H.R. Lieut

4 to 8 P.M. Weather pleasant. Barometer rising. Clouds cirro-cumulus and stratus. Light breeze from S.S.E. At 4.45 mustered crew at quarters and made signal (Interrogatory) 6222, which "Pensacola" answered with No. 904. Scraped spars.

Herbert Robeson C.H.R. Lieut

8 P.M. to Midnight. Cloudy and pleasant. Bright moonlight breaking through clouds. Aneroid at end of watch 30.04.

C.H.R. Lieut

Moon 1 mid
Dec 19 48 11.4 M
Phase, Last quarter.

Examined and found to be correct.

W. T. Parker
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE	3		30.05	67	65	64		bc	circum	2	S	
2	"		"	"	3		30.05	67	65	64		"	"	3	"	
3	"		"	"	2		30.04	67	65	63		"	"	3	"	
4	"		SE.	SE	2		30.04	67	65	63		"	"	2	"	
5	"		"	"	1		30.05	67	65	63		"	Cum	2	"	
6	"		"	"	1		30.07	67	65	63		oc	Cum minb	0	"	
7	"		"	"	1		30.09	67	65	63		"	"	0	"	
8	"		"	"	1		30.10	67	65	63		"	"	0	"	
9	"		"	"	1		30.10	67	65	63		bc	circum	2	"	
10	"		SSE	SSE.	1		30.10	67	65	63		"	"	4	"	
11	"		"	"	1		30.10	67	65	63		"	"	4	"	
Noon.	"		"	"	1		30.10	67	65	63		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 315 gallons.

Water received during the preceding 24 hours — 750 "

Water remaining on hand fit for use at Noon — 1750 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 121 " 1796 "

P. M.																
1	"		S.	S	2		30.08	70	69	65		bc	cicum	5	"	
2	"		"	"	2		30.06	70	69	65		"	"	5	"	
3	"		"	"	2		30.04	70	69	65		"	"	5	"	
4	"		SSE	SSE.	2		30.04	70	68	65		"	"	5	"	
5	"		"	"	2		30.06	69	68	65		"	"	6	"	
6	"		"	"	2		30.07	69	67	65		"	"	7	"	
7	"		"	"	2		30.07	69	66	64		"	"	6	"	
8	"		"	"	2		30.07	69	66	64		"	"	3	"	
9	"		"	"	2		30.07	69	66	64		bcm	"	3	"	
10	"		"	"	2		30.07	69	66	64		"	"	3	"	
11	"		"	"	2		30.06	69	66	64		"	"	3	"	
Mid.	"		"	"	2		30.05	69	66	64		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, November 25, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool. Light breeze from S.S.E. Aneroid barometer at the close 30.04.

W. W. Smith
Master

4 to 8 A.M. Weather pleasant. Barometer rising. Clouds cumulus and nimbus. Hoisted colors at 7. with the flagship to an English gunboat coming in. At 7.45 flagship made signal No 3350. Answd. Received on board for crew 105 lbs fresh meat, 100 lbs. vegetables, 84 loaves of bread.

T. and R. Lieut

8 A.M. to Meridian. Weather partly cloudy and pleasant, light breeze from S.E. Barometer steady. Mustered at quarters at 9.30. Made interrogatory signal No. 6549 at 9.45. The flagship answered 9044, Minded sail, Aneroid at end of watch 30.00.

C. F. Rees Lieut.

Meridian to 4 P.M. Pleasant weather. Light breeze from S. hauling to S.S.E. Barometer falling slightly. At 12.21 a Chilian gunboat came in and anchored. Aneroid barometer at the close 30.10. Received on board in Pay Dept 750 gallons of fresh water.

W. W. Smith
Master

4 to 8 P.M. Clear and pleasant. Light airs from S.S.E. Barometer steady. Mustered at quarters at 4.45. At 6.09 the flagship made signal 1087. Aneroid at end of watch 30.00.

D. Rees Lieut

8 P.M. to Midnight. Cloudy and misty. Gentle breeze from S.S.E. Barometer steady. Aneroid at end of watch 30.00.

W. W. Smith
Master

Moon's mid Examined and found to be correct.
Dec. 20° 29' 15" N
Phase. Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	2		30.02	67	65	63		oc m	Am mimb	0	S	
2	"		"	"	1		30.01	67	65	63		"	"	0	"	
3	"		"	"	1		30.01	67	65	63		"	"	0	"	
4	"		"	"	1		30.00	67	65	63		oc m d	mimb	0	"	
5	"		"	"	1		30.01	67	65	64		bc m d	ci mimb	1	"	
6	"		SE.	SE.	1		30.03	68	66	64		oc m d	"	0	"	
7	"		"	"	1		30.05	68	68	64		"	"	0	"	
8	"		"	"	1		30.07	68	68	64		"	"	0	"	
9	"		"	"	1		30.07	68	68	64		"	"	0	"	
10	"		"	"	1		30.10	69	68	64		bc	"	1	"	
11	"		"	"	1		30.10	70	68	64		"	"	3	"	
Noon.	"		"	"	1		30.10	70	68	64		"	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1435 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 121 " 1496 "

P. M.																
1	"		SxE.	SxE	1		30.08	72	70	66		bc	Ci Cum	3	"	
2	"		S.	S.	1		30.08	73	71	67		"	"	3	"	
3	"		"	"	2		30.06	73	70	66		"	"	3	"	
4	"		"	"	2		30.04	73	70	66		"	Ci Cum B Cum	3	"	
5	"		SSE	SSE	2		30.05	72	68	65		"	"	3	"	
6	"		"	"	2		30.05	71	66	65		"	"	3	"	
7	"		SExS	SExS.	2		30.04	70	66	64		"	Cum Strat	5	"	
8	"		"	"	3		30.06	70	66	64		"	"	7	"	
9	"		SSE.	SSE	3		30.06	70	66	64		"	"	7	"	
10	"		"	"	3		30.06	70	66	64		"	"	5	"	
11	"		"	"	3		30.06	70	66	64		"	"	2	"	
Mid.	"		"	"	3		30.06	70	66	64		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, November 26th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Misty. Damp. Light breze from S.S.E. Aneroid 29.98.
Wainwright-Kellogg
for Lieut

4 to 8 A.M. Weather cloudy and pleasant. Light airs from S.E. Barometer steady. At 7.30 the flagship made signal. No. 3350. Aneroid at end of watch 3350.
J. P. O'Neil
Lieut

8 A.M to Meridian. Partly cloudy and hazy. Light airs from S.E. Went to quarters at 9.30. Commanding Officer inspected ship and crew. By order of Commanding Officer released J. P. O'Neil. U.S.N. from confinement. Aneroid barometer at the close 30.02.
W. W. Sumner
Master

Meridian to 4 P.M. Partly cloudy. Weather warm and pleasant. Fresh breeze from S. Aneroid at end of watch 29.94.
Wainwright-Kellogg
for Lieut

4 to 8 P.M. Pleasant weather. Light breeze from S.S.E. Put covers on masts and yards to prepare for distilling. Hoisted smoke stacks. Aneroid barometer at the close 29.97.
W. W. Sumner
Master

8 P.M to Midnight. Cloudy. Pleasant. Light breeze from S.S.E. Obscured moonlight. Aneroid 30.00.
Wainwright-Kellogg
for Lieut

Moon I mid. Examined and found to be correct.
Dec 19° 55.26" N.
Phase. Last quarter.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE	SE.	1		30.03	67	65	63		oc	Cum Strat	0	S	
2	"		"	"	1		30.02	67	65	63		"	"	0	"	
3	"		"	"	1		30.01	67	65	63		"	"	0	"	
4	"		"	"	1		30.00	67	65	63		"	"	0	"	
5	"		"	"	1		30.00	67	65	63		"	"	0	"	
6	"		"	Calm	0		30.02	67	65	63		"	"	0	"	
7	"		"	"	0		30.02	67	65	63		"	"	0	"	
8	"		"	"	0		30.04	67	66	64		"	"	0	"	
9	"		SSW.	"	0		30.06	66	66	64		bd.	Cir Cum	1	"	
10	"		WNW.	"	0		30.10	68	67	64		"	"	1	"	
11	"		WNW.	WNW.	1		30.08	69	67	64		"	"	1	"	
Noon.	"		W.	Calm	0		30.08	69	67	64		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1120 "

Coal consumed during the preceding 24 hours tons 2100 lbs.

Coal remaining on hand at Noon 120 " 1636 "

P. M.																
1	"		W.	Calm	0		30.08	70	67	64		bc	Cir Cum	2	"	
2	"		"	"	0		30.05	70	67	64		"	"	2	"	
3	"		S	S	2		30.03	70	67	64		"	"	2	"	
4	"		"	"	2		30.02	70	67	64		"	"	3	"	
5	"		SSE.	SSE	1		30.02	70	68	65		"	Cir Cum & Cumu	3	"	
6	"		"	"	1		30.03	70	67	64		"	"	2	"	
7	"		"	"	0-1		30.05	70	67	64		"	Cir Cum & Strat	3	"	
8	"		"	"	0-1		30.06	70	67	64		"	"	3	"	
9	"		"	"	1		30.06	69	67	65		"	"	3	"	
10	"		"	"	1		30.06	69	67	65		oc m	Cir Cum & Cumul	0	"	
11	"		"	"	1		30.06	69	67	65		"	"	0	"	
Mid.	"		"	"	1		30.06	69	67	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A H McCormick, U. S. Navy,

Monday, November 27th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Light airs from S.E. Barometer falling. Aneroid 29.96 at end of watch.

H.O. Dimm. Ensign

4 to 8 AM. Overcast and cloudy. Light airs from S & E and calms. At 5.00 sent a boat with four officers to participate in the Funeral ceremonies attending the transfer of the bodies of the Spaniards killed in action between the Spanish fleet and the forts of Callao in 1867. Aneroid barometer at the close 30.02. Hoisted boiler No 2 Steam cutter for repairs. At 7. started fires under two forward port boilers for distilling. At 7.30 "Pensacola" made signal No 3360.

W.W. Smith Master

8 AM to Meridian. Cloudy. Sultry. Light variable airs. At 9.30 mustered at quarters. Exercised first and second divisions at great guns. third at single sticks. At 8.45 half masted colors in honor of funeral of Spanish dead. At 9.30 hoisted colors up again. Aneroid 30.00. Tried engines with four boilers. Commenced distilling.

Wainwright Kellogg 1st Lieut

Meridian to 4 PM. Weather warm and slightly overcast. Calms and light breze from South. Barometer falling. Aneroid Barometer at close 29.95. At 2.06 the U.S.S "Iroquois" got underway and left the harbor under sail, standing to N^e and W^t, Distilling.

H.O. Dimm. Ensign.

4 to 8 P.M. Cloudy. Pleasant, Light airs from S & E. At 5.55 flagship made signal 1143. At 6. sent down topgallant yards and bent light sails. Aneroid 30.00. Distilling.

Wainwright Kellogg 1st Lieut

8 PM to Midnight. Overcast cloudy and misty. Light airs from S & E. Barometer steady. Aneroid 30.00 at midnight. Distilling.

H.O. Dimm. Ensign.

Moonlight Dec. 18° 15' 16" N. Phase. Last quarter.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru. S A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.	S	1		30.06	68	67	65		oc m	cir cum nimb	0		
2	"		"	"	1		30.04	68	67	65		"	"	0		
3	"		"	"	1		30.02	68	67	65		"	"	0		
4	"		SSE	SSE	1		30.02	68	67	65		"	"	0		
5	"		"	"	0-1		30.03	67	67	64		"	"	0		
6	"		S	S	1		30.05	67	66	64		"	"	0		
7	"		"	"	1		30.07	67	66	64		"	"	0		
8	"		"	"	1		30.10	67	66	64		bc	cir cum	2		
9	"		"	"	1		30.10	67	66	64		"	"	3		
10	"		"	"	1		30.10	70	69	66		"	"	8		
11	"		"	"	1		30.10	70	69	66		"	"	8		
Noon.	"		"	"	1		30.10	70	70	66		"	"	8		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 315 gallons.

Water distilled during the preceding 24 hours 1500 "

Water remaining on hand fit for use at Noon 2305 "

Coal consumed during the preceding 24 hours 1 tons 1360 lbs.

Coal remaining on hand at Noon 119 " 276 "

P. M.																
1	"		SSW	SSW	1		30.07	71	71	66		bc	cir cum	8	"	
2	"		"	"	1		30.05	71	71	66		"	"	8	"	
3	"		"	"	1		30.05	72	69	65		"	"	9	"	
4	"		S.	S	1		30.02	72	69	65		"	"	9	"	
5	"		"	"	1		30.02	72	69	65		"	"	9	"	
6	"		"	"	1		30.04	70	69	65		"	"	6	"	
7	"		"	"	1		30.06	70	69	65		"	"	2	"	
8	"		SSE	SSE	1		30.08	70	69	65		"	"	2	"	
9	"		SE	SE	1		30.10	70	68	65		"	"	7	"	
10	"		"	"	1		30.10	70	67	64		"	"	6	"	
11	"		SSE	SSE	1		30.09	69	67	64		"	"	6	"	
Mid.	"		"	"	1		30.07	69	67	64		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, November 28th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Weather pleasant. Barometer falling. Light breze from S. Clouds cirro cumulus and nimbus. Distilling water. Aneroid barometer 29.96.

Harl Robinson, USN Lieut

4 to 8 A M Cloudy. Warm. Light breze from S°. At 7.40 flagship made signal 6069. At 7.45 crossed topgallant and royal yards and bent gear, Aneroid 30.02. Rec'd for ships company 105 lbs of fresh beef, 105 lbs vegetables and 84 loaves of bread.

Wainwright-Kellogg

LOK Lieut

8 A M to Meridian. Clear warm and pleasant weather. Light airs from South. Barometer steady, Aneroid 30.00 at noon. At 9.30 mustered and inspected at quarters, Absent without leave Wm Glenny. Sea. At 9.45 flagship made general signal (prep) 5520, and at 10.00. 5521 Exercised at sail drill the flagship making the following general signals. 5955, 5521. 5955. and 4826. Furled sail. At 10.45 flagship made general signal 1087. Aired bedding.

F. O. Dunn. Ensign

Meridian to 4 P M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light breze from S S W. At 3.30 flagship made signal No 2240. Answered and piped down aired bedding.

Harl Robinson, Lieut

4 to 8 P M. Cloudy and pleasant weather. Light airs from South and S S E. Barometer rising slowly. Aneroid 30.00 at end of watch. At 5.45 flagship made general signal (prep) 6068. At 6.00 send down topgallant and royal yards with flagship for which flagship made general signal 2985.

F. O. Dunn. Ensign

8 P M to Midnight. Clear and pleasant weather. Light breze from S E to S S E. Barometer steady. Cirro cumulus clouds. Bright moon and starlight. Dew falling. Aneroid barometer 30.00.

Harl Robinson, Lieut

Moon's mid Examined and found to be correct.
Dec 15 4h 23m 7s
Phase, Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. SA

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.05	67	66	64		bcm	Cir Cumm Strat	5	8	
2	"		SE	"	1		30.05	68	67	64		"	"	6	"	
3	"		SSE	"	1		30.03	68	66	64		"	"	4	"	
4	"		"	"	1		30.03	68	66	64		"	"	3	"	
5	"		"	"	1		30.03	68	66	65		bc	"	3	"	
6	"		"	"	1		30.03	68	66	65		"	"	2	"	
7	"		SE.	SE.	1		30.05	67	66	65		"	"	5	"	
8	"		"	"	1		30.07	67	66	65		"	"	5	"	
9	"		S.	S	1		30.10	69	68	65		"	Cir Cumm	4	"	
10	"		"	"	1		30.11	69	68	65		"	Cir Cumm Strat	5	"	
11	"		"	"	1		30.11	69	68	65		"	"	6	"	
Noon.	"		"	"	1		30.10	69	68	65		"	Cir Cumm	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 315 gallons.

Water received during the preceding 24 hours — 750 "

Water remaining on hand fit for use at Noon — 2740 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — ~~118~~ 2216 "

P. M.																
1	"		SSE	SSE	2		30.09	70	69	65		bc	Cir cumm	6	"	
2	"		"	"	2		30.07	71	69	65		"	"	4	"	
3	"		"	"	2		30.07	71	69	65		"	"	3	"	
4	"		"	"	2		30.05	72	69	65		"	"	2	"	
5	"		"	"	2		30.05	70	67	64		"	"	2	"	
6	"		"	SE	2		30.05	70	66	64		"	"	2	"	
7	"		"	S	2		30.05	70	66	64		"	"	4	"	
8	"		"	SSE	2		30.06	70	67	65		"	"	4	"	
9	"		"	"	1		30.08	70	67	65		"	"	5	"	
10	"		"	"	1		30.08	70	66	64		"	cumm	6	"	
11	"		"	"	1		30.08	69	66	64		"	Cir cumm	7	"	
Mid.	"		"	"	1		30.07	69	66	64		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday November 29, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant, bright moonlight. Barometer falling. Aneroid 29.98.

C. P. Rees Lieut

4 to 8 A.M. Cloudy but pleasant, light airs from S.S.E. and S.E. Barometer steady. Aneroid 30.02 at end of watch. At 7.30 flagship made general signal 3350 and at 7.37 general signal (prep.) 5461. Crossed royal and topgallant yards and loosed sail to a bunting at 7.50 with flagship. Received on board in Pay Dept. 105 lbs fresh beef, 105 lbs vegetables and 84 loaves of bread for issue to crew.

F. O. Dunn, Ensign

8 A.M. to Meridian. Weather clear and pleasant. Barometer rising. Clouds cirro-cumulus and stratus. Light breeze from S. At 9.30 mustered and inspected crew at quarters and exercised at Battalion drill. The Chilian flagship "Blanco Encalada" came in and anchored. At 11.30. flagship made signal, No. 4826. Aneroid, and furled sail. Received on board 750 gallons fresh water. A Chilian steamer came in carrying troops. Aneroid barometer 30.00.

Karl Rohrer Lieut

Meridian to 4 P.M. Weather clear and pleasant. Fresh breeze from S.S.E. At 1[15] "Montcalm" fired a salute of 13 guns with German flag at the fore. At 1[25] "Swiftsure" fired a salute of 11 guns with German flag at the fore. At 1[40] "Pensacola" and at 2[20] "Blanco Encalada" fired salutes of 11 guns. with German flag at fore. At 2[42] "Tarraciola" fired a salute of 13 guns with German flag at the fore. Received on board 6 gallons of alcohol. At 3[20] "Pensacola" made general signal 2984. Aneroid at end of watch 29.96.

C. P. Rees Lieut

4 to 8 P.M. Clear and pleasant. Barometer steady. Light breeze from S to S.E. Cirro cumulus clouds. Aneroid barometer 30.01.

Karl Rohrer Lieut

8 P.M to Midnight. Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Aneroid 30.00.

C. P. Rees Lieut

Moon Inclination. Examined and found to be correct.

Dec 12° 27' 15" N

Phase. Last quarter

W. H. H. Southerland

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE×S.	SSE.	1		30.06	69	66	64		bcm	cum nim	1	S	
2	"		"	"	1		30.05	68	66	64		"	Cr cum	3	"	
3	"		S	S	1		30.04	68	67	64		"	"	5	"	
4	"		"	"	1		30.04	68	66	64		"	"	6	"	
5	"		SSE.	SSE.	1		30.05	67	66	64		"	"	6	"	
6	"		"	Calm	0		30.08	67	65	63		bc	"	6	"	
7	"		"	"	0		30.10	67	66	64		"	"	6	"	
8	"		S	"	0		30.10	67	67	65		"	"	7	"	
9	"		SSW.	"	0		30.10	68	67	65		"	"	7	"	
10	"		"	"	0		30.10	69	68	65		"	"	7	"	
11	"		S	S	1		30.10	70	68	65		"	"	2	"	
Noon.	"		"	"	1		30.10	70	68	65		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2410 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 118 " 1916 "

P. M.															
1	"		SSE	SSE	1		30.10	70	68	65		bc	ci cum	2	"	
2	"		"	"	2		30.09	71	69	66		"	"	3	"	
3	"		"	"	2		30.08	71	69	66		"	"	3	"	
4	"		"	"	2		30.07	70	68	65		"	"	2	"	
5	"		"	"	3		30.07	70	66	64		bcm	"	1	"	
6	"		"	"	3		30.07	70	66	64		"	"	2	"	
7	"		"	"	2		30.07	70	66	64		"	cir cum strat	4	"	
8	"		"	"	2		30.07	70	66	64		"	"	4	"	
9	"		"	"	2		30.08	70	66	64		bc	"	4	"	
10	"		"	"	2		30.08	70	66	64		"	"	6	"	
11	"		"	"	2		30.10	69	66	64		"	"	6	"	
Mid.	"		"	"	2		30.10	69	66	64		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday November 30, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty, clearing latter part, light breze from S.S.E shifting to S.W. Aneroid barometer at the close 30.00

W.W. Smith Master

4 to 8 A.M. Weather clear and pleasant, Barometer rising. Cirro-cumulus clouds. Calm, At 7.30 flagship made signal No 3350. Ans. Aneroid barometer 30.044

Ward Nathan Lieut

8 A.M to Meridian Weather generally clear and warm, Calm, Barometer steady. Mustered at quarters at 9.30. By order of Commanding Officer Robert E. Henry (ICB) is given ten days extra duty for scraping topmast contrary to orders. Eugene S Carr (826) two days for answering back aloft Aneroid at end of watch 30.02.

C.P. Rees Lieut

Meridian to 4 P.M. Cloudy and pleasant, light breze from S.S.E. At 12.05 the "Swiftsure" fired a salute of 7 guns with Spanish flag at the fore, at 1.05 this was repeated by the "Barracicla" At 1.00 sent a boats crew with an officer to participate in the funeral ceremonies attending the burial of one of the "Pensacola's" men, Observed the customary half masting colors on board ships, Aneroid barometer 29.99.

W.W. Smith Master

4 to 8 P.M. Weather partly cloudy and pleasant, light airs from S.S.E. Barometer steady. Aneroid 29.99.

C.P. Rees Lieut

8. P.M. to Midnight, Clear and pleasant, bright starlight, light breze from S.S.E. Aneroid barometer at the close 30.014.

W.W. Smith Master

Moon's mid Examined and found to be correct.

Dec 8° 15' 28" N

Phase, Last quarter

W. H. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE.	0-1		30.09	68	68	62		bc	Cir cum & cumb	3	8	
2	"		"	"	0-1		30.08	68	66	64		"	"	2	"	
3	"		"	"	0-1		30.08	68	66	64		"	"	2	"	
4	"		"	Calm.	0		30.07	68	66	64		oc m	Cir Cum & cumb	0	"	
5	"		"	"	0		30.06	68	66	64		"	"	0	"	
6	"		"	"	0		30.08	68	66	64		bc	Cir Cum	1	"	
7	"		S.E.	"	0		30.10	68	66	64		"	"	2	"	
8	"		"	"	0		30.10	69	66	64		"	"	3	"	
9	"		S.	SSW.	1		30.13	68	66	63		"	"	5	"	
10	"		SSW.	"	1		30.14	68	67	64		"	"	6	"	
11	"		"	"	1		30.15	69	67	64		"	"	8	"	
Noon.	"		S	S.	1		30.12	70	68	65		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2080 "

Coal consumed during the preceding 24 hours — tons 500 lbs.

Coal remaining on hand at Noon — 118 " 141.6 "

P. M.															
1	"		S.	S	1		30.12	70	68	65		bc	Cir cum	8	"	
2	"		"	"	1		30.10	72	68	65		"	"	8	"	
3	"		"	"	1		30.08	72	68	65		"	"	8	"	
4	"		"	"	1		30.06	72	68	65		bc m	Cir Cum & cumb	2	"	
5	"		SSE	SSE	1		30.07	71	67	65		bc	"	2	"	
6	"		"	"	1		30.09	70	67	65		"	"	3	"	
7	"		"	"	1		30.10	70	67	65		"	Cir cum & str	4	"	
8	"		"	"	1		30.10	70	67	65		"	Cir cum	5	"	
9	"		"	"	1		30.10	70	67	64		"	"	6	"	
10	"		"	"	1		30.10	70	66	63		"	"	5	"	
11	"		SE	SE	1		30.10	69	66	63		"	"	5	"	
Mid.	"		SSE.	"	1		30.08	68	66	63		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, December 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, Damp, Light airs and calms
At 2.30 "Iroquois" came in and anchored. Aneroid 30.09.

Wainwright Keeney Lieut

4 to 8 A.M. Weather cloudy and pleasant, Light airs from S.S.E and calms. Barometer falling. H.M.S. "Swiftsure" left the harbor at 6.00. At 7.30 "Pensacola" made signal. No 3350. Aneroid 30.00.

[illegible] Lieut

8 A.M to Meridian, Clear pleasant weather with light airs from S.S.W and South. Barometer fluctuating. Aneroid 30.04 at noon. At 8.45 manned armed boats and sent battalion on shore for target practice and drill. At 9.00. H.M.S. "Nutine" left the harbor but returned at 12.00.

T. O. Dunn Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light breze from S. The mail steamer entered the harbor bringing mail from U.S. Barometer falling slightly

W.S.R. Emmet

Meridian.

4 to 8 P.M. Pleasant weather. Light breze from S.S.E. Sent to quarters at 4.45. Hoisted in sailing launch at 5.40. "Pensacola" made signal. (prep) 6070. At 6.00 sent down royal yards, unbent royals and flying jib. Aneroid barometer 30.00

W. Mahan

Master

8 P.M to Midnight, Cloudy, Pleasant, Light breze from S.E. Aneroid 30.01.

Wainwright Keeney

Lieut

Moon's mid
Dec 4° 46' 00" N
Phase Full moon

Examined and found to be correct.

W. H. Payne

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.05	68	66	65		bc	Circum	5	S	
2	"		"	"	1		30.05	68	66	65		"	"	5	"	
3	"		"	"	1		30.05	68	66	65		"	"	5	"	
4	"		"	S.	1		30.02	68	66	65		"	"	5	"	
5	"		S.	Calm	0		30.03	68	66	64		Ocm	Circum & numb	0	"	
6	"		"	"	0		30.05	68	67	65		"	"	0	"	
7	"		"	S.W.	1		30.07	68	67	64		"	"	0	"	
8	"		"	"	1		30.10	68	67	64		"	"	0	"	
9	"		S.W.	Calm	0		30.12	68	66	64		bc	Circum	2	"	
10	"		"	"	0		30.11	70	69	64		"	"	2	"	
11	"		W.	"	0		30.11	70	69	66		"	"	3	"	
Noon.	"		"	"	0		30.10	71	69	66		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water received during the preceding 24 hours — 750 "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 118 " 1116 "

P. M.																
1	"		SSW.	SSW.	1		30.10	71	70	66		bc	Circum	5	"	
2	"		"	"	1		30.08	71	70	66		"	"	8	"	
3	"		"	S	1		30.07	71	69	65		"	"	8	"	
4	"		SSE	SSE.	1		30.07	71	70	66		"	"	8	"	
5	"		"	"	1		30.07	71	70	66		"	"	6	"	
6	"		"	"	1		30.07	71	70	66		"	"	6	"	
7	"		"	"	1		30.07	70	70	66		"	"	6	"	
8	"		"	"	1		30.08	70	70	66		"	"	4	"	
9	"		SE.	SE	2		30.10	71	67	64		bcm	"	4	"	
10	"		"	"	2		30.11	71	67	64		"	"	3	"	
11	"		"	"	2		30.10	70	67	64		"	"	5	"	
Mid.	"		"	"	2		30.08	69	67	64		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. December 2d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant, Moonlight at intervals. Light airs from S.S.E and South. Barometer falling last hours. Aneroid 29.98 at end of watch.

A.D. Brown, Ensign.

4 to 8 A.M. Cloudy and misty. Calms and light airs from S.W. At 7.30 "Pensacola" made signal 'general' 3350. Answd. Received on board in Paymasters Dept for use of crew 105 lbs of fresh beef, 105 lbs vegetables and 84 lbs of bread. Aneroid barometer 30.04. At 8 mast half-masted colors in memory of Rear Admiral Charles H. Poor U.S.Navy. W.M. Brown, Master

8 A.M to Meridian. Cloudy, Sultry. Light variable airs and calms. At 9.30 mustered at quarters. At 10.45 flag ship made signal 1087. Rec'd on board 750 gallons of fresh water. Aneroid 30.04.

Wainwright-Kellogg, Jr. Lieut

Meridian to 4 P.M. Weather cloudy and pleasant. Light breeze from S.S.W and S.S.E. Barometer falling. Aneroid 29.98 at end of watch. At 1200 "Pensacola" fired 13 minute guns. Sent liberty party on shore.

A.D. Brown, Ensign

4 to 8 P.M. Clear and hot. Light breeze from S.S.E. At 4.45 mustered at quarters, Aneroid 30.04

Wainwright-Kellogg

OK Lieut

8 P.M to Midnight. Cloudy with light mist. Light breeze from S.E. Barometer falling slowly. Aneroid 3000 at midnight. At 8.10 the Italian ship "Cardaciola" left the harbor.

A.D. Brown, Ensign

Moon's mid Examined and found to be correct.
Dec 00° 39' 02" N
Phase. Last quarter

W. H. Phillips
Lieut & Navigator.

11

ARMAMENT

of the U.S.S. Vincennes

1 Starting Launch
1 Steamer
1 Cutter
2 Whale boats
1 Gig